

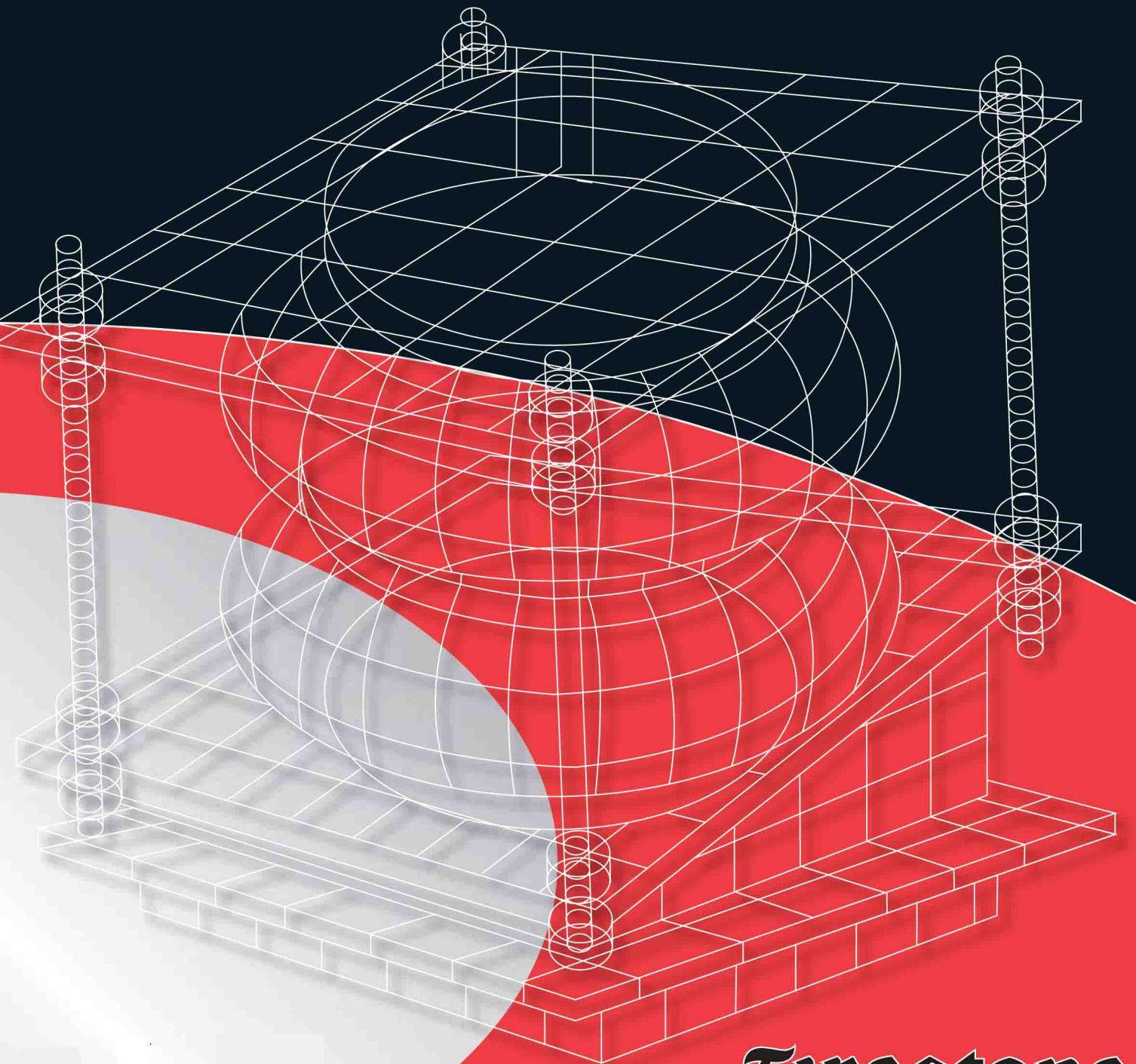
AIRSTROKE™

ACTUATORS

AIRMOUNT™

ISOLATORS

METRIC REVERSIBLE SLEEVE

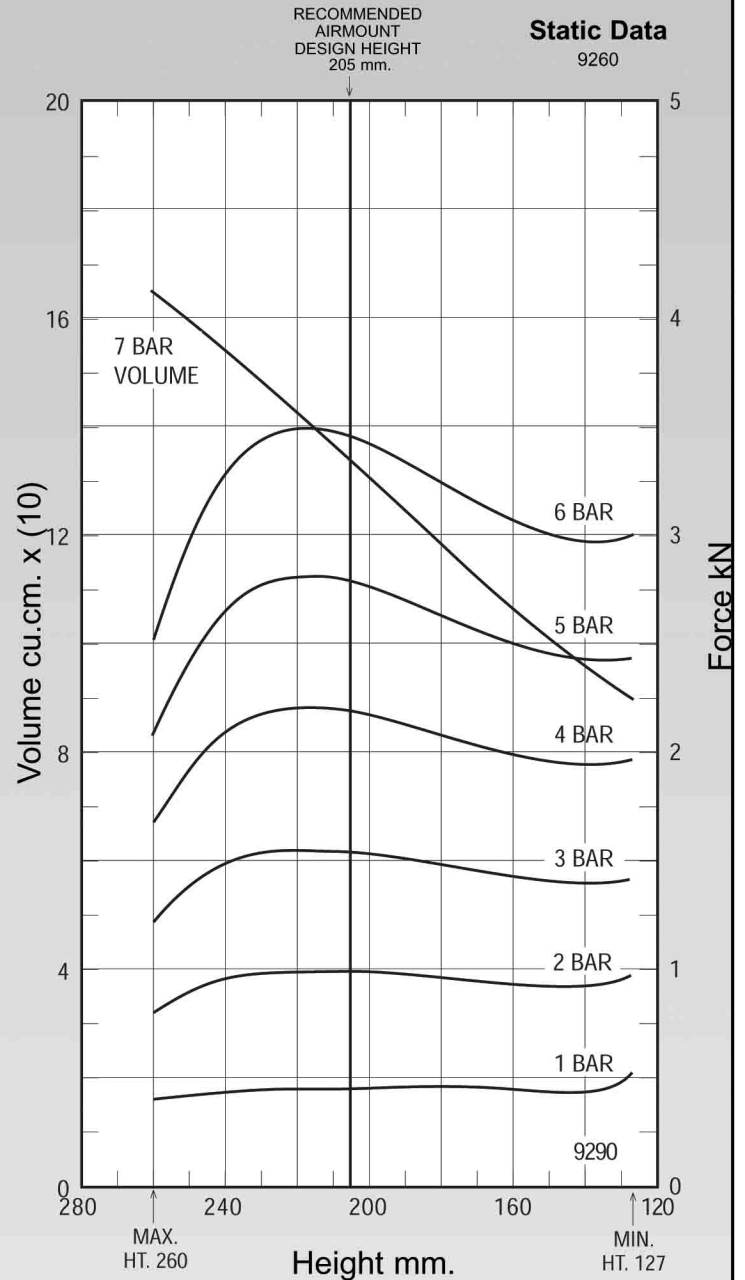
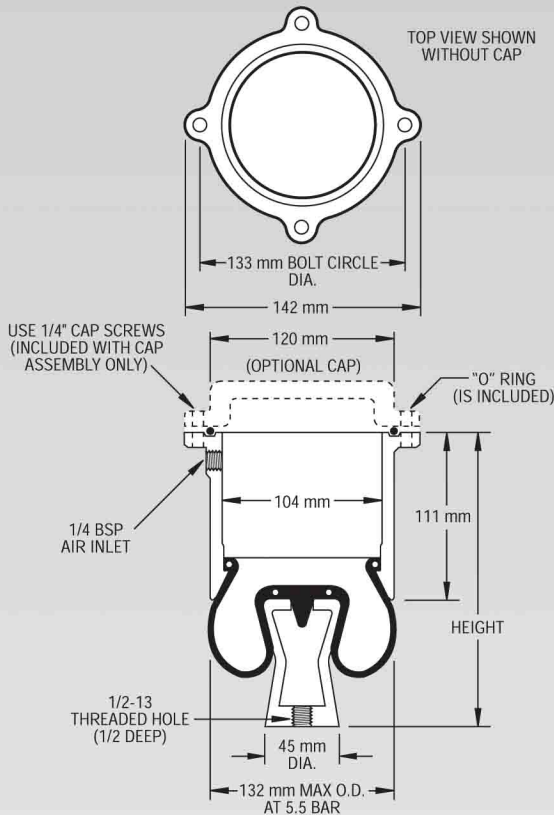


AIRMOUNT ISOLATOR ONLY

Style	Description	Assembly Order No.
1X84D-1	Thin wall assembly, without cap	W01-358-9188
Thin Wall	Thin wall assembly, with cap (dotted line)	W01-358-9190
Two Ply Bellows	Thin wall rubber bellows only	W01-358-0480

Assembly weight 1.18 kg.

NOTE: Standard assembly is imperial.



NOTE: Do not exceed 5.5 BAR.

NOTE: Do not use as an Airstroke actuator.

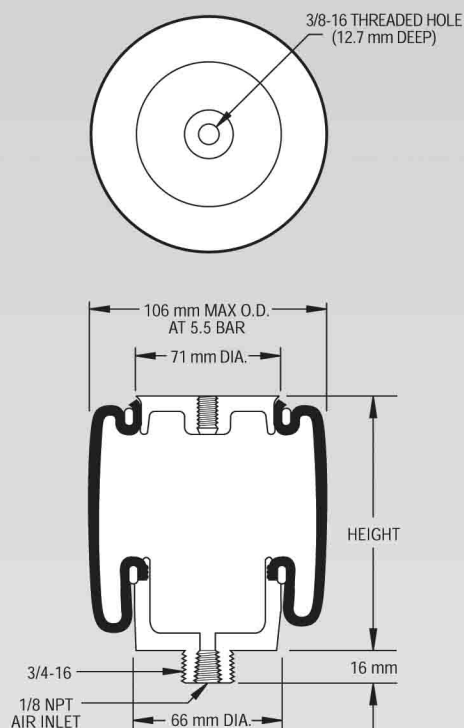
See page 12 for instructions on how to use chart.

Dynamic Characteristics at 205 mm Design Height (Required for Airmount isolator design only)			
Gauge Pressure (BAR)	Load (kN)	Spring Rate (kN/m)	Natural Frequency Hz
3	1.55	12	1.36
4	2.20	15	1.30
5	2.79	18	1.25
6	3.46	21	1.22
7	4.07	24	1.21

NOTE:
Do not use as an Airstroke actuator

	Description	Assembly Order No.
Style 7002	Blind nuts, 1/8 NPT	W02-358-7002
Two Ply Bellows		
Assembly weight..... .81 kg.		

NOTE: Standard assembly is imperial.

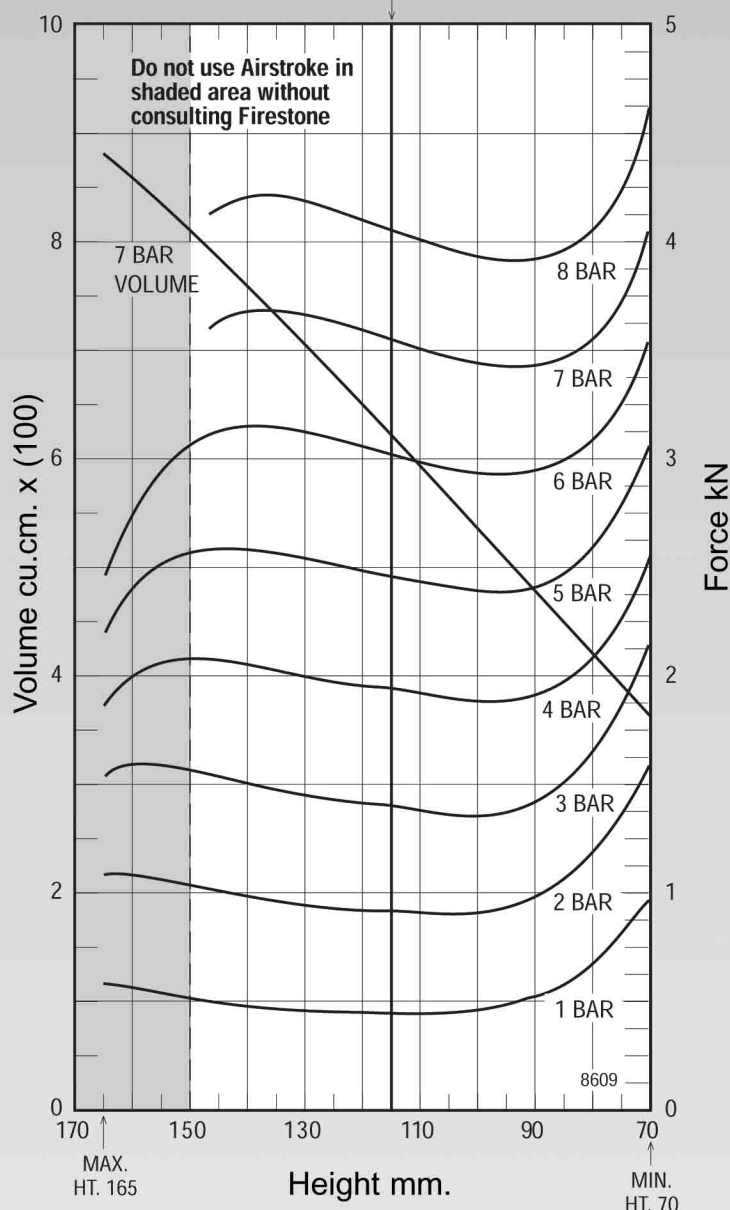


NOTE: Bellows will not compress properly with less than .7 BAR internal pressure.

CONSULT FIRESTONE
BEFORE USING AS
AIRMOUNT

RECOMMENDED
AIRMOUNT
DESIGN HEIGHT
115 mm.

Static Data
8609



See page 12 for instructions on how to use chart.

Dynamic Characteristics at 115 mm Design Height
(Required for Airmount isolator design only)

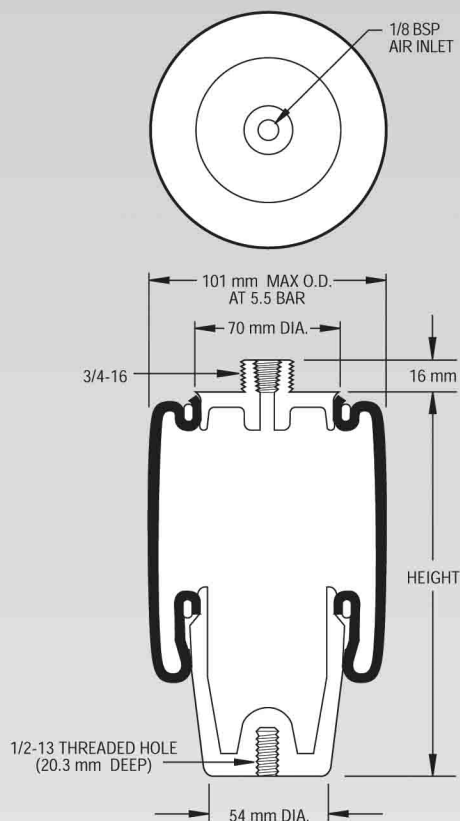
Gauge Pressure (BAR)	Load (kN)	Spring Rate (kN/m)	Natural Frequency Hz
3	1.40	20	1.90
4	1.94	27	1.86
5	2.46	33	1.81
6	3.03	38	1.78
7	3.55	44	1.75

Force Table (Use for Airstroke™ actuator design)

Assembly Height (mm)	Volume @ 7 BAR (cu cm)	EFF Area @ 7 BAR (cm sq)	kN Force				
			@ 3 BAR	@ 4 BAR	@ 5 BAR	@ 6 BAR	@ 7 BAR
150	807	50	1.57	2.08	2.57	3.05	3.52
140	755	53	1.51	2.05	2.58	3.15	3.68
130	701	52	1.45	2.00	2.54	3.13	3.67
120	648	51	1.41	1.97	2.49	3.07	3.59
110	590	50	1.38	1.93	2.44	3.00	3.51
100	535	49	1.36	1.89	2.39	2.95	3.45
90	476	49	1.41	1.90	2.41	2.94	3.43
80	422	51	1.63	2.07	2.57	3.07	3.54

	Description	Assembly Order No.
Style 7010	Blind nuts, 1/8 NPT	W02-358-7010
Two Ply Bellows		
Assembly weight..... .73 kg.		

NOTE: Standard assembly is imperial.

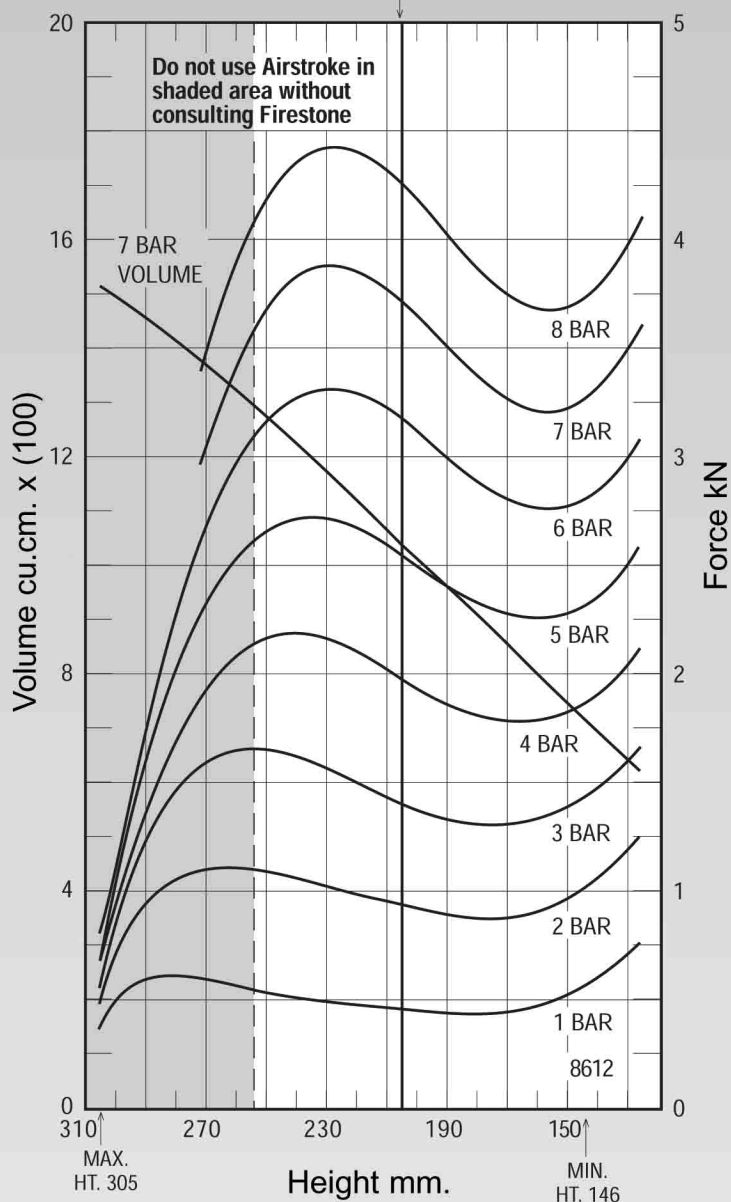


NOTE: Bellows will not compress properly with less than .7 BAR internal pressure.

CONSULT FIRESTONE
BEFORE USING AS
AIRMOUNT

RECOMMENDED
AIRMOUNT
DESIGN HEIGHT
205 mm.

Static Data
8612



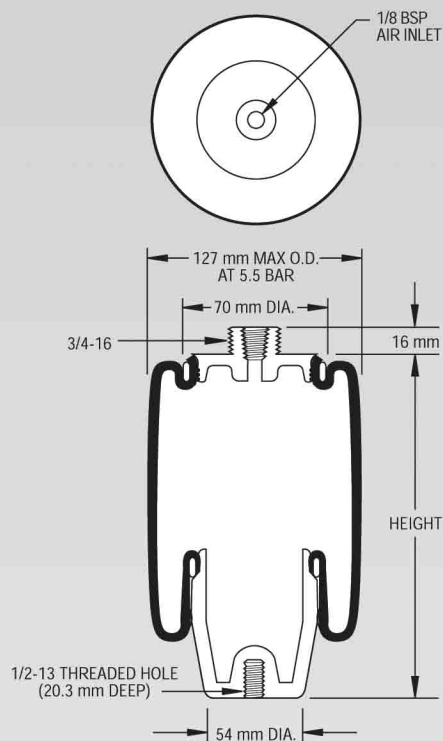
See page 12 for instructions on how to use chart.

Dynamic Characteristics at 205 mm Design Height (Required for Airmount isolator design only)			
Gauge Pressure (BAR)	Load (kN)	Spring Rate (kN/m)	Natural Frequency Hz
3	1.41	8	1.18
4	1.99	10	1.11
5	2.55	13	1.14
6	3.17	17	1.14
7	3.72	18.5	1.11

Force Table (Use for Airstroke™ actuator design)							
Assembly Height (mm)	Volume @ 7 BAR (cu cm)	EFF Area @ 7 BAR (cm sq)	kN Force				
			@ 3 BAR	@ 4 BAR	@ 5 BAR	@ 6 BAR	@ 7 BAR
260	1321	48	1.65	2.08	2.52	2.95	3.39
240	1224	55	1.63	2.18	2.71	3.27	3.82
220	1123	55	1.51	2.10	2.66	3.29	3.86
200	1016	52	1.39	1.95	2.50	3.12	3.66
180	906	48	1.31	1.81	2.33	2.90	3.38
160	798	46	1.33	1.78	2.25	2.76	3.21

	Description	Assembly Order No.
Style 7012	Blind nut, 1/8 NPT	W02-358-7012
Two Ply Bellows		
Assembly weight82 kg.		

NOTE: Standard assembly is imperial.

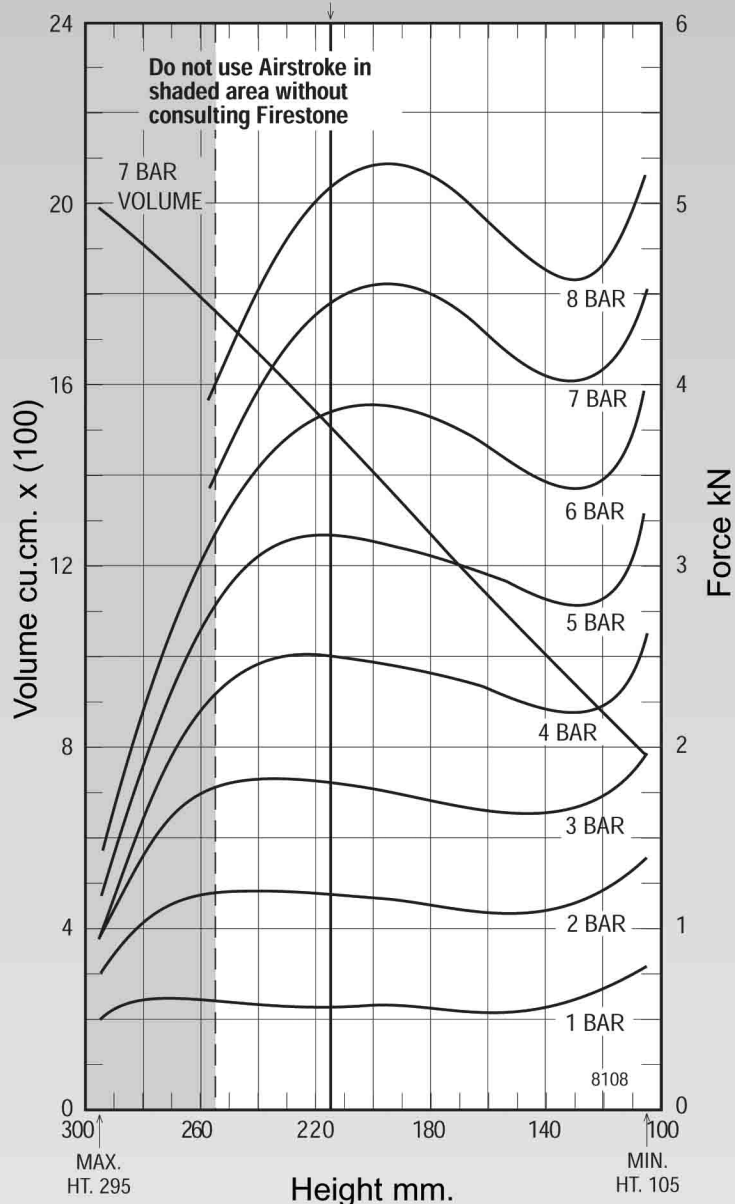


NOTE: Bellows will not compress properly with less than .7 BAR internal pressure.

CONSULT FIRESTONE
BEFORE USING AS
AIRMOUNT

RECOMMENDED
AIRMOUNT
DESIGN HEIGHT
215 mm.

Static Data
8108



See page 12 for instructions on how to use chart.

Dynamic Characteristics at 215 mm Design Height
(Required for Airmount isolator design only)

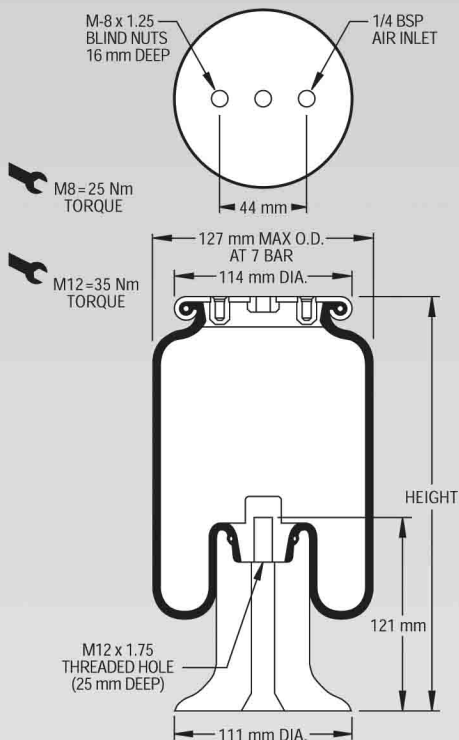
Gauge Pressure (BAR)	Load (kN)	Spring Rate (kN/m)	Natural Frequency Hz
3	1.81	13	1.31
4	2.51	18	1.33
5	3.18	23	1.33
6	3.85	33	1.47
7	4.44	43	1.55

Force Table (Use for Airstroke™ actuator design)

Assembly Height (mm)	Volume @ 7 BAR (cu cm)	EFF Area @ 7 BAR (cm sq)	kN Force				
			@ 3 BAR	@ 4 BAR	@ 5 BAR	@ 6 BAR	@ 7 BAR
240	1676	56	1.83	2.45	3.06	3.52	3.94
220	1547	62	1.82	2.52	3.18	3.81	4.37
200	1409	65	1.77	2.48	3.15	3.89	4.56
180	1271	65	1.71	2.42	3.07	3.83	4.51
160	1134	61	1.65	2.33	2.97	3.67	4.30
140	1000	58	1.63	2.22	2.83	3.48	4.06

NOTE: All Assembly Order Numbers are for bead plate parts unless noted otherwise.

	Description	Assembly Order No.
Style 1T12E-3	Blind nuts, 1/4 BSP	W01-M58-6220
Two Ply Bellows	Socket head aluminum bead ring (bolts, nuts, washers not included, use cap screws)	SEE NOTE BELOW
Assembly weight.....		1.6 kg.



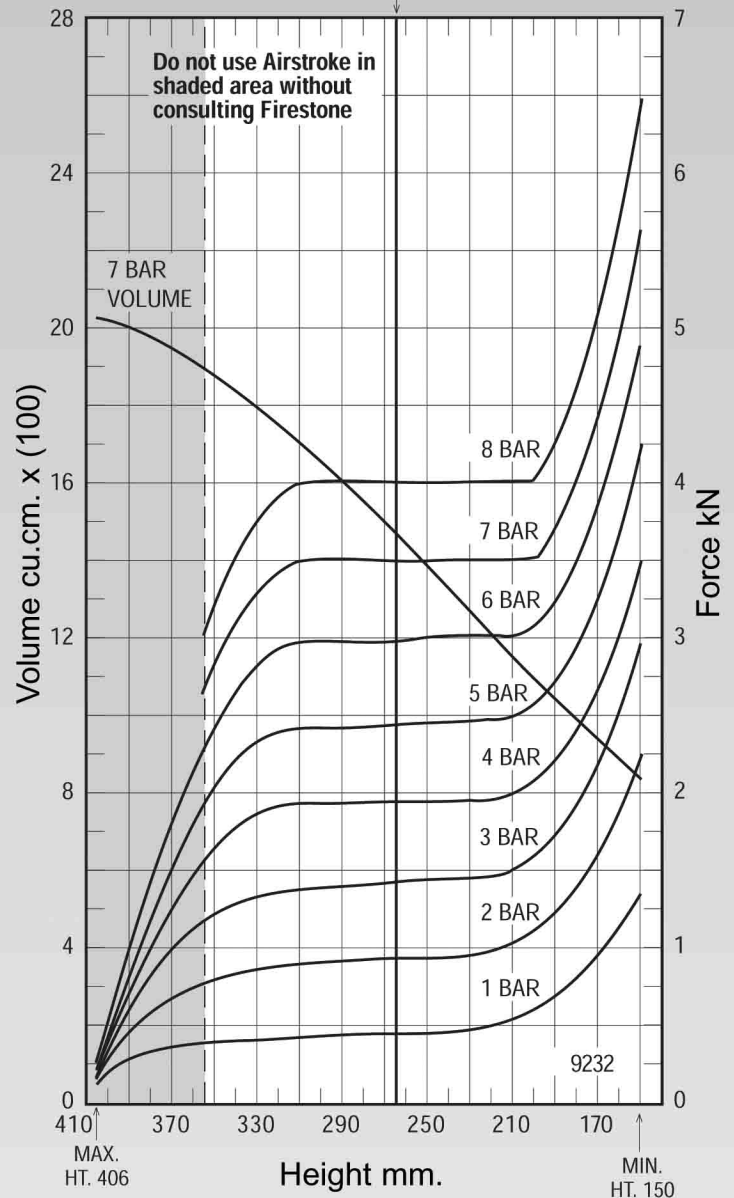
NOTE: Bellows will not compress properly with less than .7 BAR internal pressure.

NOTE: A bead plate part is shown. This part is also available with a bead ring. Bolts are not included. See pages 8-10 for explanation.

CONSULT FIRESTONE BEFORE USING AS AIRMOUNT

RECOMMENDED AIRMOUNT DESIGN HEIGHT 265 mm.

Static Data
9232



See page 12 for instructions on how to use chart.

Dynamic Characteristics at 265 mm Design Height
(Required for Airmount isolator design only)

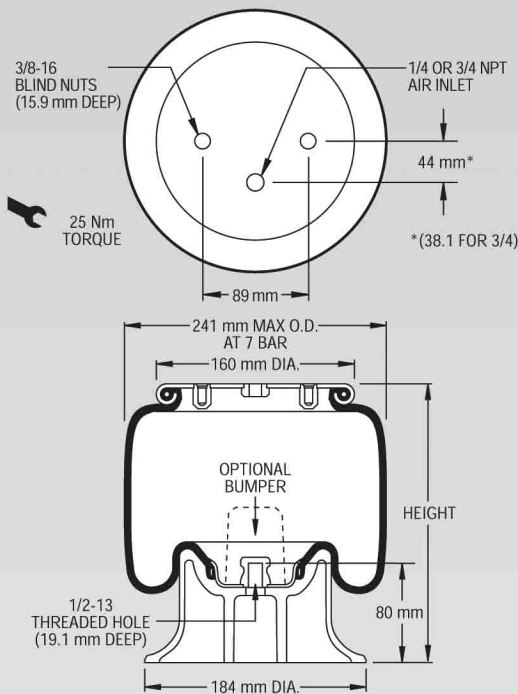
Gauge Pressure (BAR)	Load (kN)	Spring Rate (kN/m)	Natural Frequency Hz
3	1.43	12	1.43
4	1.95	13	1.29
5	2.44	16	1.29
6	2.98	19	1.26
7	3.50	21	1.21

Force Table (Use for Airstroke™ actuator design)

Assembly Height (mm)	Volume @ 7 BAR (cu cm)	EFF Area @ 7 BAR (cm sq)	kN Force				
			@ 3 BAR	@ 4 BAR	@ 5 BAR	@ 6 BAR	@ 7 BAR
320	1753	49	1.37	1.92	2.40	2.92	3.41
300	1653	50	1.40	1.93	2.42	2.97	3.50
280	1550	50	1.40	1.93	2.42	2.97	3.50
260	1441	50	1.44	1.95	2.44	2.99	3.50
240	1329	50	1.45	1.95	2.46	3.01	3.50
220	1214	50	1.45	1.95	2.46	3.01	3.50
200	1100	50	1.59	2.07	2.56	3.05	3.52
180	988	58	1.93	2.39	2.94	3.49	4.03

NOTE: All Assembly Order Numbers are for bead plate parts unless noted otherwise.

	Description	Assembly Order No.
Style 1T14C-1	Blind nuts, 1/4 NPT	W01-358-5310
	Blind nuts, 1/4 NPT, bumper	W01-358-5311
Two Ply Bellows	Blind nuts, 3/4 NPT	W01-358-5305
	Blind nuts, 3/4 NPT, bumper	W01-358-5306
	Countersunk steel bead ring 1 3/4 bolts, nuts, washers	W01-358-5307
Assembly weight.....		2.95 kg.



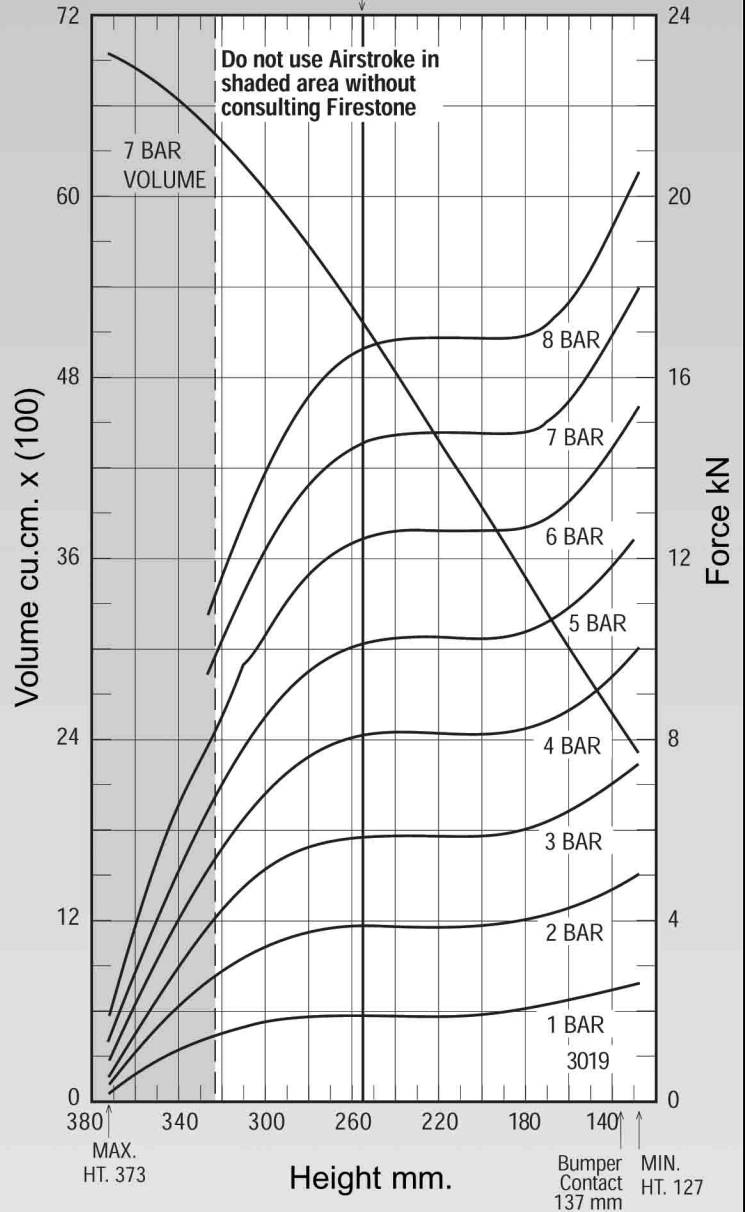
NOTE: Bellows will not compress properly with less than .7 BAR internal pressure.

NOTE: A bead plate part is shown. This part is also available with a bead ring. Bolts are not included. See pages 8-10 for explanation.

CONSULT FIRESTONE
BEFORE USING AS
AIRMOUNT

RECOMMENDED
AIRMOUNT
DESIGN HEIGHT
255 mm.

Static Data
3019



See page 12 for instructions on how to use chart.

Dynamic Characteristics at 255 mm Design Height
(Required for Airmount isolator design only)

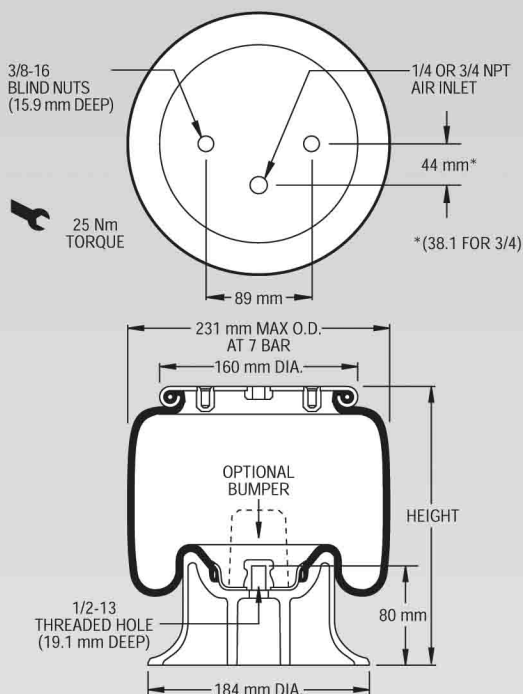
Gauge Pressure (BAR)	Load (kN)	Spring Rate (kN/m)	Natural Frequency Hz
3	5.88	47	1.41
4	8.06	67	1.44
5	10.14	83	1.43
6	12.41	102	1.43
7	14.50	117	1.42

Force Table (Use for Airstroke[™] actuator design)

Assembly Height (mm)	Volume @ 7 BAR (cu cm)	EFF Area @ 7 BAR (cm sq)	kN Force				
			@ 3 BAR	@ 4 BAR	@ 5 BAR	@ 6 BAR	@ 7 BAR
300	6065	171	5.05	6.70	8.39	10.23	11.94
280	5704	192	5.62	7.45	9.45	11.52	13.45
260	5306	205	5.86	8.00	10.06	12.30	14.36
240	4881	210	5.89	8.15	10.28	12.60	14.73
220	4438	211	5.89	8.15	10.29	12.63	14.76
200	3967	211	5.89	8.15	10.29	12.63	14.76
180	3494	211	5.98	8.19	10.32	12.63	14.76
160	3027	220	6.39	8.59	10.80	13.18	15.37

NOTE: All Assembly Order Numbers are for bead plate parts unless noted otherwise.

	Description	Assembly Order No.
Style 1T14C-3	Blind nuts, 1/4 NPT	W01-358-5405
Two Ply Bellows		
Assembly weight.....		3.08 kg.



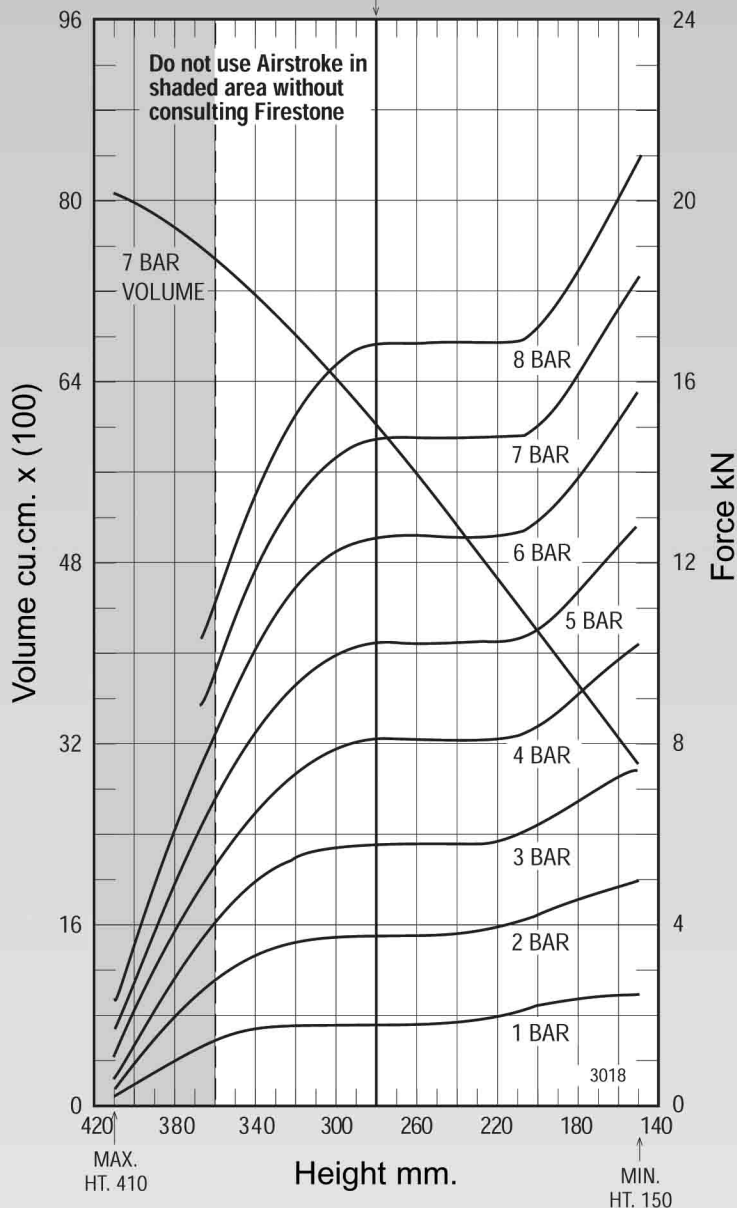
NOTE: Bellows will not compress properly with less than .7 BAR internal pressure.

NOTE: A bead plate part is shown. This part is also available with a bead ring. Bolts are not included. See pages 8-10 for explanation.

CONSULT FIRESTONE
BEFORE USING AS
AIRMOUNT

RECOMMENDED
AIRMOUNT
DESIGN HEIGHT
280 mm.

Static Data
3018



See page 12 for instructions on how to use chart.

Dynamic Characteristics at 280 mm Design Height (Required for Airmount isolator design only)

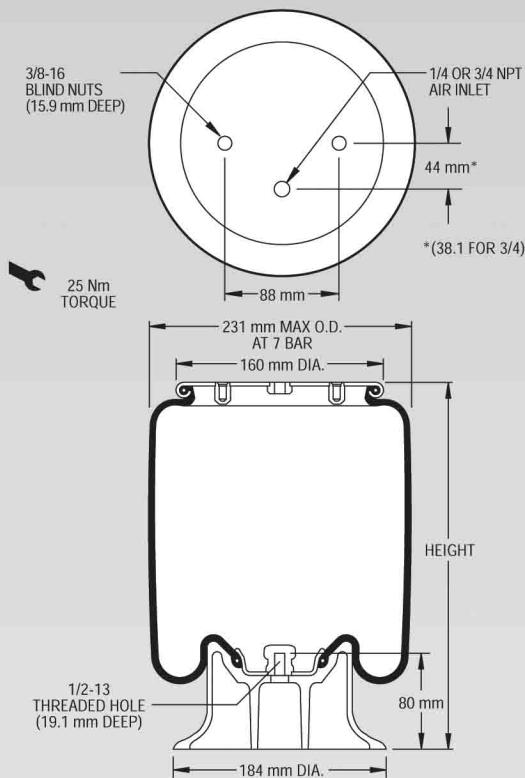
Gauge Pressure (BAR)	Load (kN)	Spring Rate (kN/m)	Natural Frequency Hz
3	5.80	38	1.27
4	8.10	53	1.28
5	10.19	64	1.25
6	12.55	78	1.24
7	14.72	90	1.23

Force Table (Use for Airstroke™ actuator design)

Assembly Height (mm)	Volume @ 7 BAR (cu cm)	EFF Area @ 7 BAR (cm sq)	kN Force				
			@ 3 BAR	@ 4 BAR	@ 5 BAR	@ 6 BAR	@ 7 BAR
320	6836	190	5.47	7.34	9.26	11.37	13.30
300	6447	204	5.74	7.88	9.92	12.20	14.30
280	6041	210	5.80	8.10	10.19	12.55	14.72
260	5612	211	5.80	8.11	10.22	12.58	14.75
240	5165	211	5.80	8.11	10.22	12.58	14.75
220	4705	211	5.85	8.11	10.23	12.59	14.75
200	4221	214	6.17	8.36	10.54	12.86	14.98
180	3735	229	6.68	8.99	11.31	13.78	16.04

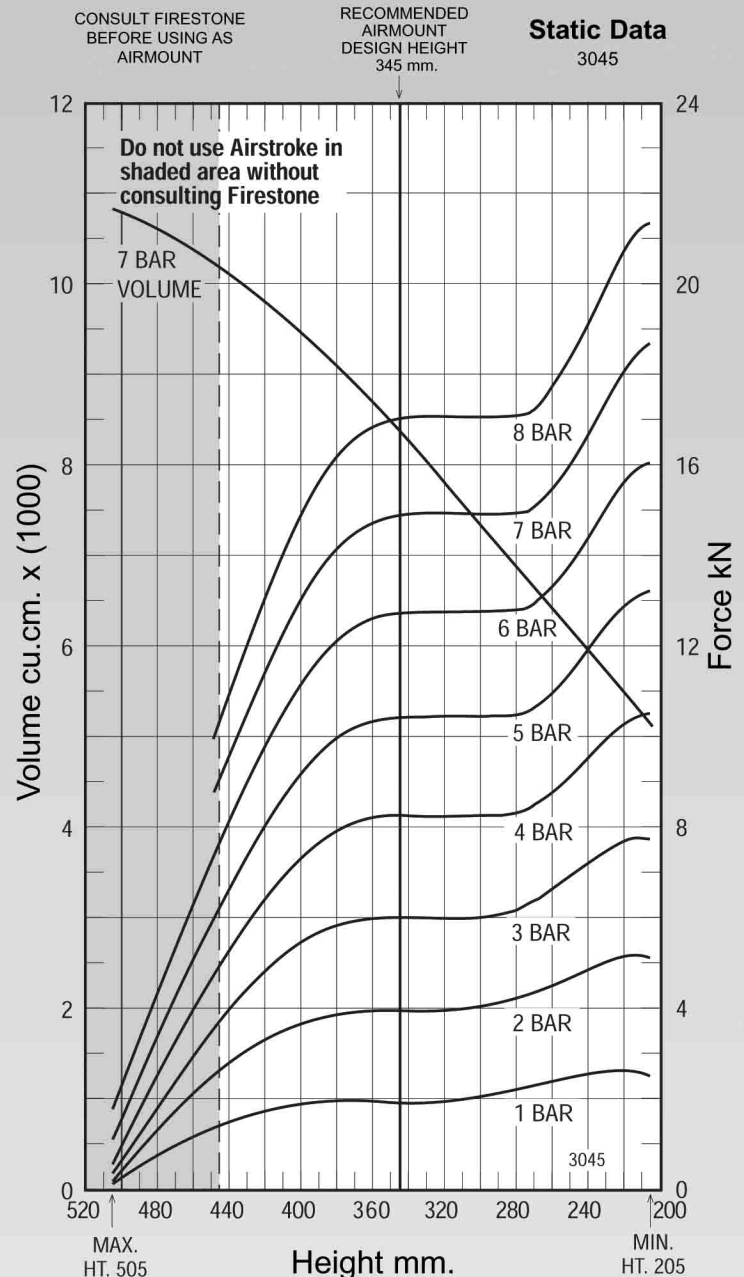
NOTE: All Assembly Order Numbers are for bead plate parts unless noted otherwise.

	Description	Assembly Order No.
Style	Blind nuts, 1/4 NPT	W01-358-5712
1T14C-7	Blind nuts, 3/4 NPT	W01-358-5708
Two Ply		
Bellows		
Assembly weight.....		3.17 kg.



NOTE: Bellows will not compress properly with less than .7 BAR internal pressure.

NOTE: A bead plate part is shown. This part is also available with a bead ring. Bolts are not included. See pages 8-10 for explanation.



See page 12 for instructions on how to use chart.

Dynamic Characteristics at 345 mm Design Height
(Required for Airmount isolator design only)

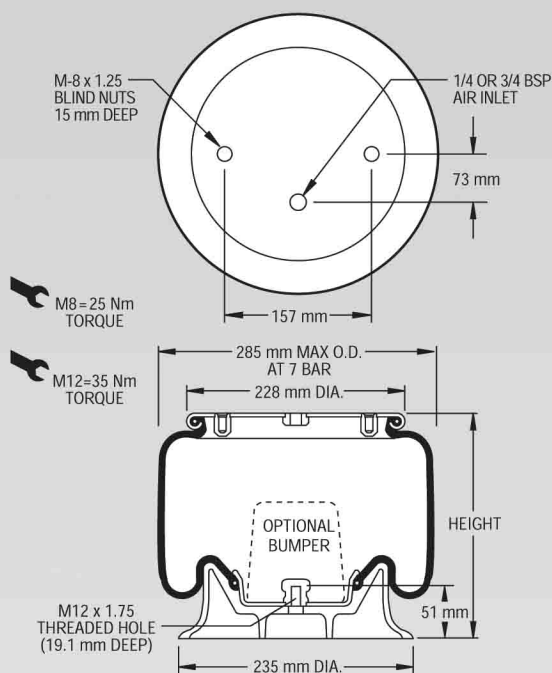
Gauge Pressure (BAR)	Load (kN)	Spring Rate (kN/m)	Natural Frequency Hz
3	6.02	30	1.11
4	8.27	39	1.09
5	10.44	48	1.07
6	12.79	59	1.07
7	14.92	68	1.06

Force Table (Use for Airstroke™ actuator design)

Assembly Height (mm)	Volume @ 7 BAR (cu cm)	EFF Area @ 7 BAR (cm sq)	kN Force				
			@ 3 BAR	@ 4 BAR	@ 5 BAR	@ 6 BAR	@ 7 BAR
440	10160	134	3.90	5.17	6.54	8.02	9.37
400	9509	184	5.43	7.25	9.11	11.07	12.87
360	8729	210	6.00	8.20	10.34	12.63	14.72
320	7832	213	6.02	8.27	10.44	12.79	14.93
280	6898	213	6.17	8.30	10.46	12.79	14.93
240	5973	238	7.15	9.49	11.85	14.33	16.65

NOTE: All Assembly Order Numbers are for bead plate parts unless noted otherwise.

	Description	Assembly Order No.
Style 1T15T-1	Blind nuts, 1/4 BSP	W01-M58-6321
	Blind nuts, 1/4 BSP, bumper	W01-M58-6322
	Blind nuts, 3/4 BSP	W01-M58-6325
Two Ply Bellows		
Assembly weight.....		26.42 kg.



NOTE: Bellows will not compress properly with less than .7 BAR internal pressure.

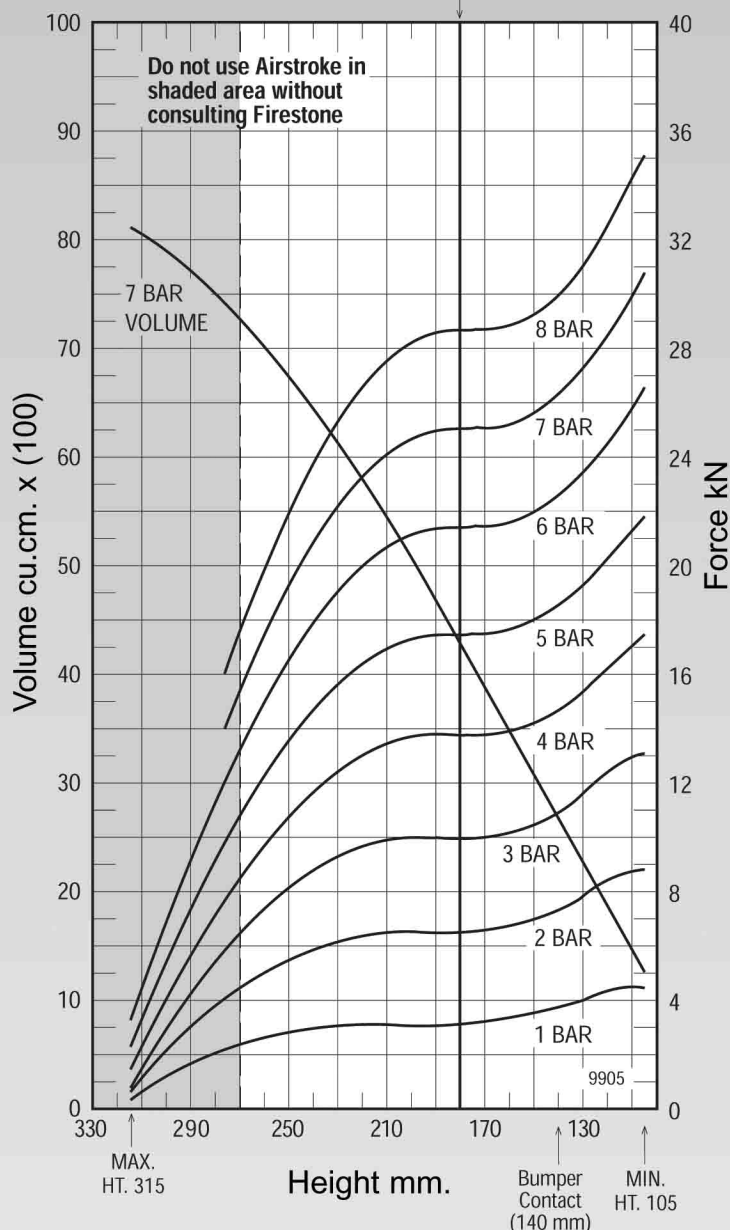
NOTE: A bead plate part is shown. This part is also available with a bead ring. Bolts are not included. See pages 8-10 for explanation.

Dynamic Characteristics at 180 mm Design Height (Required for Airmount isolator design only)			
Gauge Pressure (BAR)	Load (kN)	Spring Rate (kN/m)	Natural Frequency Hz
3	9.93	175	2.09
4	13.77	229	2.03
5	17.43	279	1.99
6	21.43	334	1.97
7	25.04	384	1.95

CONSULT FIRESTONE BEFORE USING AS AIRMOUNT

RECOMMENDED AIRMOUNT DESIGN HEIGHT 180 mm.

Static Data
9905

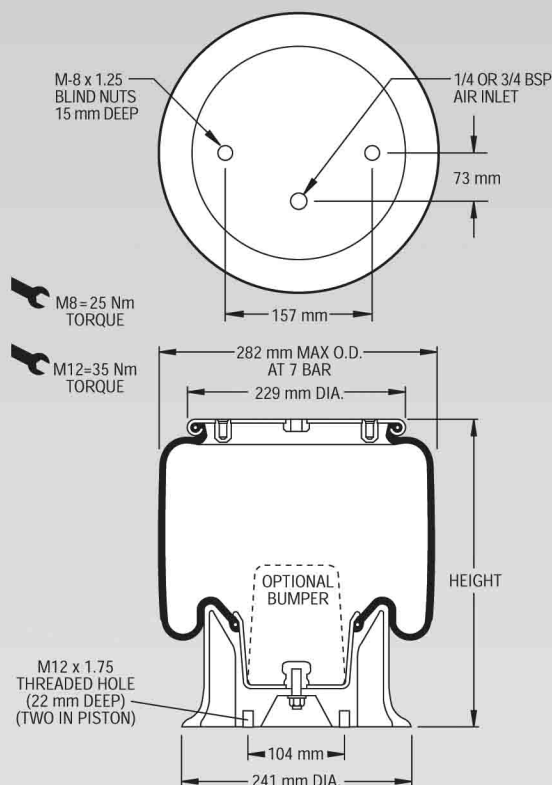


See page 12 for instructions on how to use chart.

Force Table (Use for Airstroke™ actuator design)							
Assembly Height (mm)	Volume @ 7 BAR (cu cm)	EFF Area @ 7 BAR (cm sq)	kN Force				
			@ 3 BAR	@ 4 BAR	@ 5 BAR	@ 6 BAR	@ 7 BAR
260	7000	247	7.32	9.59	12.10	14.80	17.26
240	6423	298	8.81	11.67	14.69	17.91	20.85
220	5773	334	9.66	13.04	16.43	20.07	23.38
200	5041	353	9.92	13.65	17.25	21.14	24.67
180	4262	358	9.93	13.77	17.43	21.43	25.04
160	3450	361	10.10	13.93	17.61	21.62	25.26
140	2623	375	10.94	14.70	18.48	22.54	26.27
120	1820	408	12.35	16.26	20.32	24.59	28.59

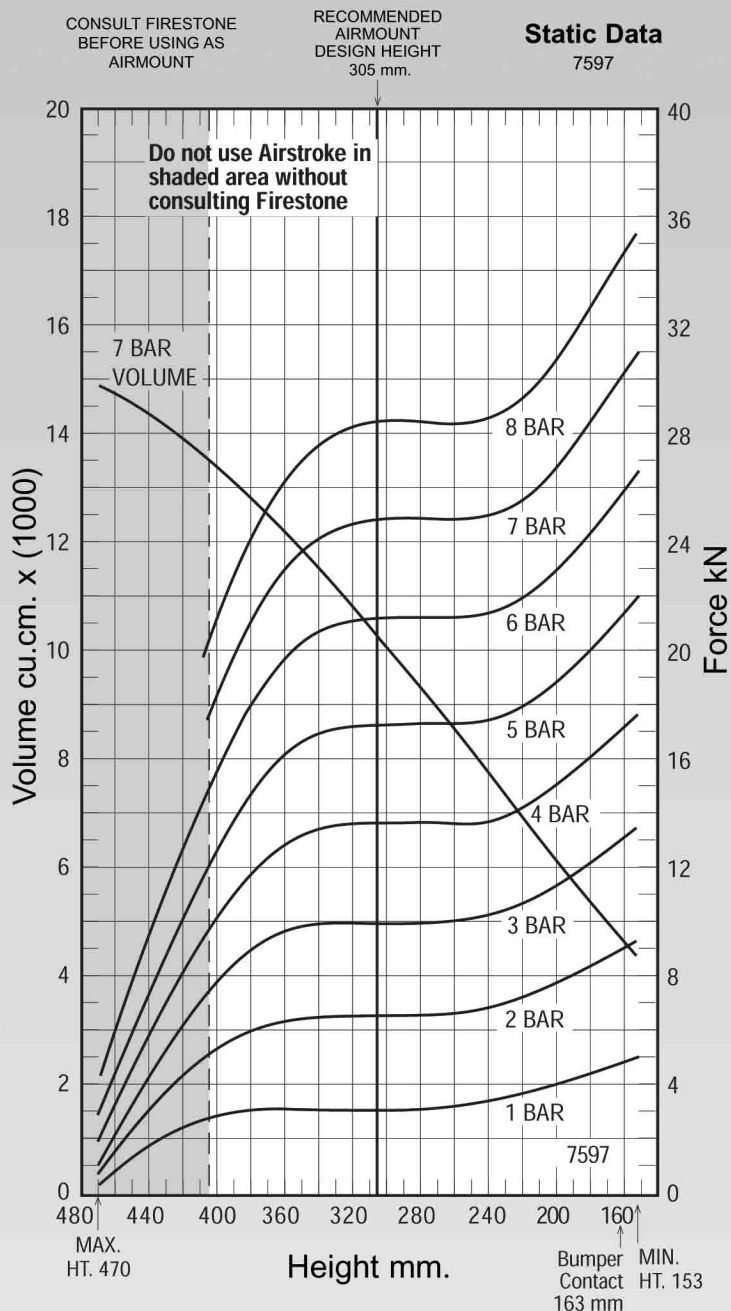
NOTE: All Assembly Order Numbers are for bead plate parts unless noted otherwise.

	Description	Assembly Order No.
Style	Blind nuts, 1/4 BSP	W01-M58-6310
1T15S-6	Blind nuts, 1/4 BSP, bumper	W01-M58-6311
Two Ply Bellows	Blind nuts, 3/4 BSP	W01-M58-6313
Assembly weight.....		34.80 kg.



NOTE: Bellows will not compress properly with less than .7 BAR internal pressure.

NOTE: A bead plate part is shown. This part is also available with a bead ring. Bolts are not included. See pages 8-10 for explanation.



See page 12 for instructions on how to use chart.

Dynamic Characteristics at 305 mm Design Height
(Required for Airmount isolator design only)

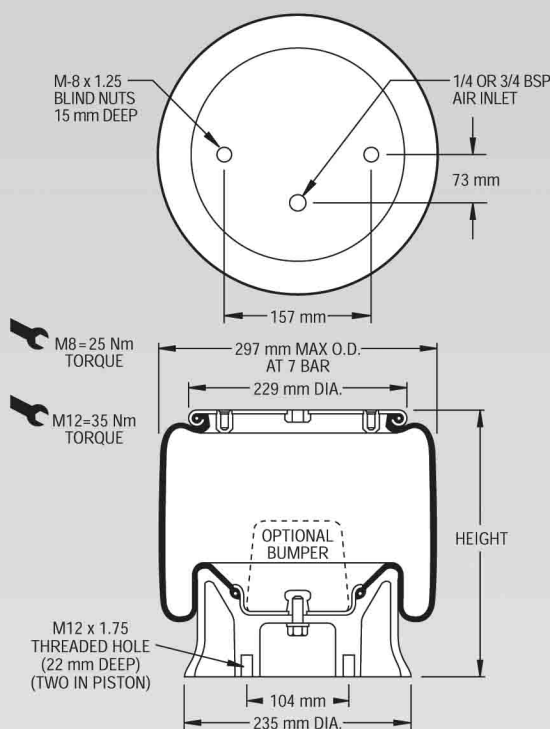
Gauge Pressure (BAR)	Load (kN)	Spring Rate (kN/m)	Natural Frequency Hz
3	10.05	68	1.30
4	13.74	88	1.26
5	17.32	107	1.24
6	21.26	130	1.23
7	24.88	149	1.22

Force Table (Use for Airstroke™ actuator design)

Assembly Height (mm)	Volume @ 7 BAR (cu cm)	EFF Area @ 7 BAR (cm sq)	kN Force				
			@ 3 BAR	@ 4 BAR	@ 5 BAR	@ 6 BAR	@ 7 BAR
400	13435	262	7.86	10.23	12.82	15.66	18.31
360	12261	327	9.66	12.86	16.12	19.63	22.90
320	10863	353	10.05	13.72	17.26	21.15	24.73
280	9362	356	10.05	13.74	17.32	21.27	24.89
240	7818	357	10.29	13.80	17.43	21.39	24.99
200	6240	383	11.38	15.06	18.88	22.99	26.81
160	4688	432	13.08	17.25	21.46	25.96	30.26

NOTE: All Assembly Order Numbers are for bead plate parts unless noted otherwise.

	Description	Assembly Order No.
Style	Blind nuts, 1/4 BSP	W01-M58-6255
1T15L-4	Blind nuts, 1/4 BSP, bumper	W01-M58-6256
Two Ply Bellows		
Assembly weight.....		7.03 kg.



NOTE: Bellows will not compress properly with less than .7 BAR internal pressure.

NOTE: A bead plate part is shown. This part is also available with a bead ring. Bolts are not included. See pages 8-10 for explanation.

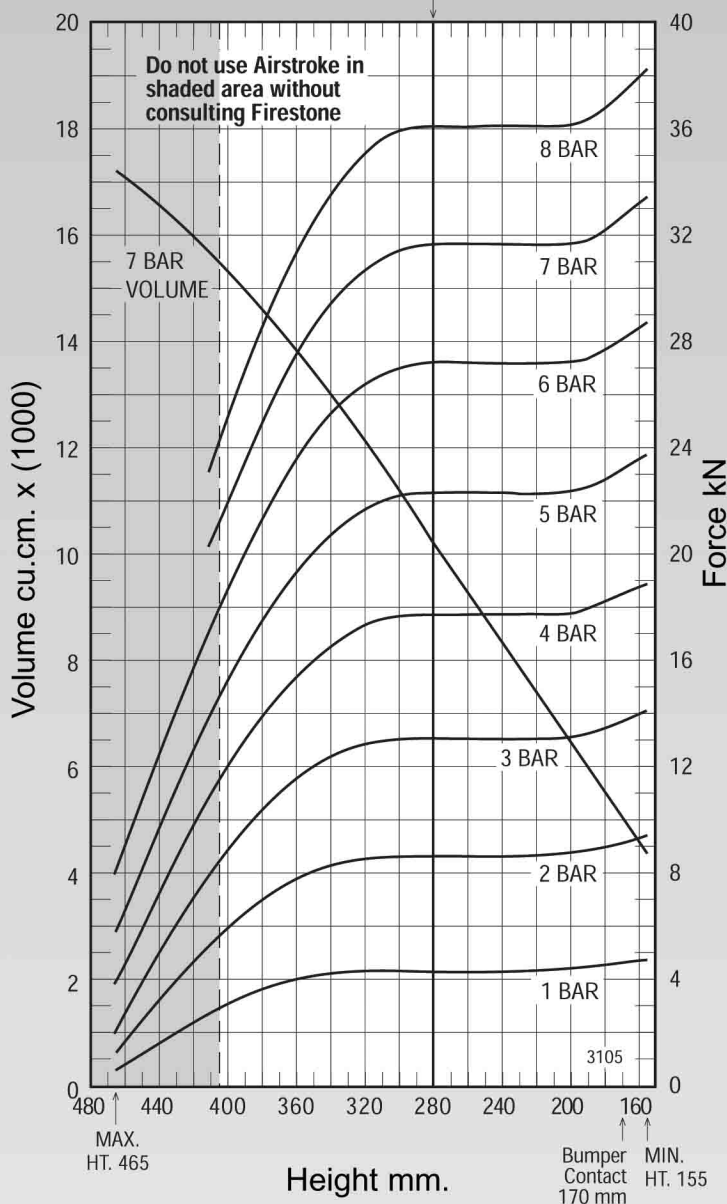
Dynamic Characteristics at 280 mm Design Height (Required for Airmount isolator design only)

Gauge Pressure (BAR)	Load (kN)	Spring Rate (kN/m)	Natural Frequency Hz
3	13.03	110	1.45
4	17.73	140	1.40
5	22.31	170	1.38
6	27.14	202	1.36
7	31.57	230	1.35

CONSULT FIRESTONE
BEFORE USING AS
AIRMOUNT

RECOMMENDED
AIRMOUNT
DESIGN HEIGHT
280 mm.

Static Data
3105



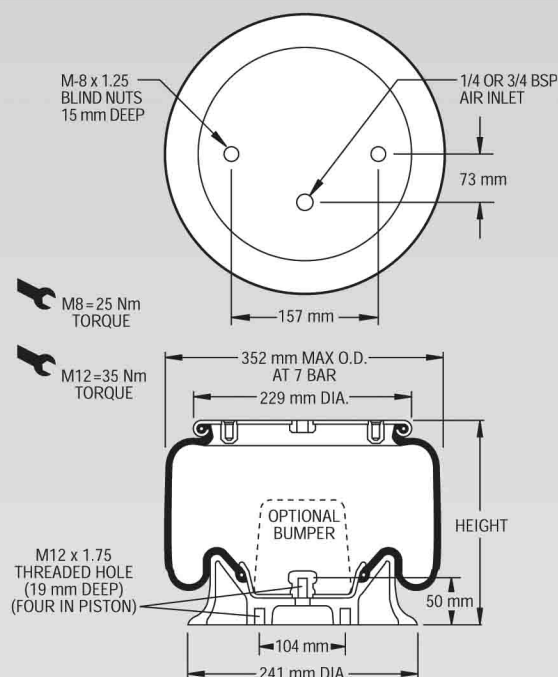
See page 12 for instructions on how to use chart.

Force Table (Use for Airstroke™ actuator design)

Assembly Height (mm)	Volume @ 7 BAR (cu cm)	EFF Area @ 7 BAR (cm sq)	kN Force				
			@ 3 BAR	@ 4 BAR	@ 5 BAR	@ 6 BAR	@ 7 BAR
400	15364	309	8.65	11.78	14.94	18.45	21.61
360	13880	389	11.44	15.27	19.18	23.35	27.19
320	12139	437	12.81	17.24	17.65	26.30	30.58
280	10291	451	13.03	17.73	22.31	27.14	31.57
240	8407	451	13.03	17.73	22.31	27.14	31.57
200	6496	451	13.06	17.73	22.31	27.14	31.57
160	4628	472	13.96	18.72	23.46	28.45	33.06

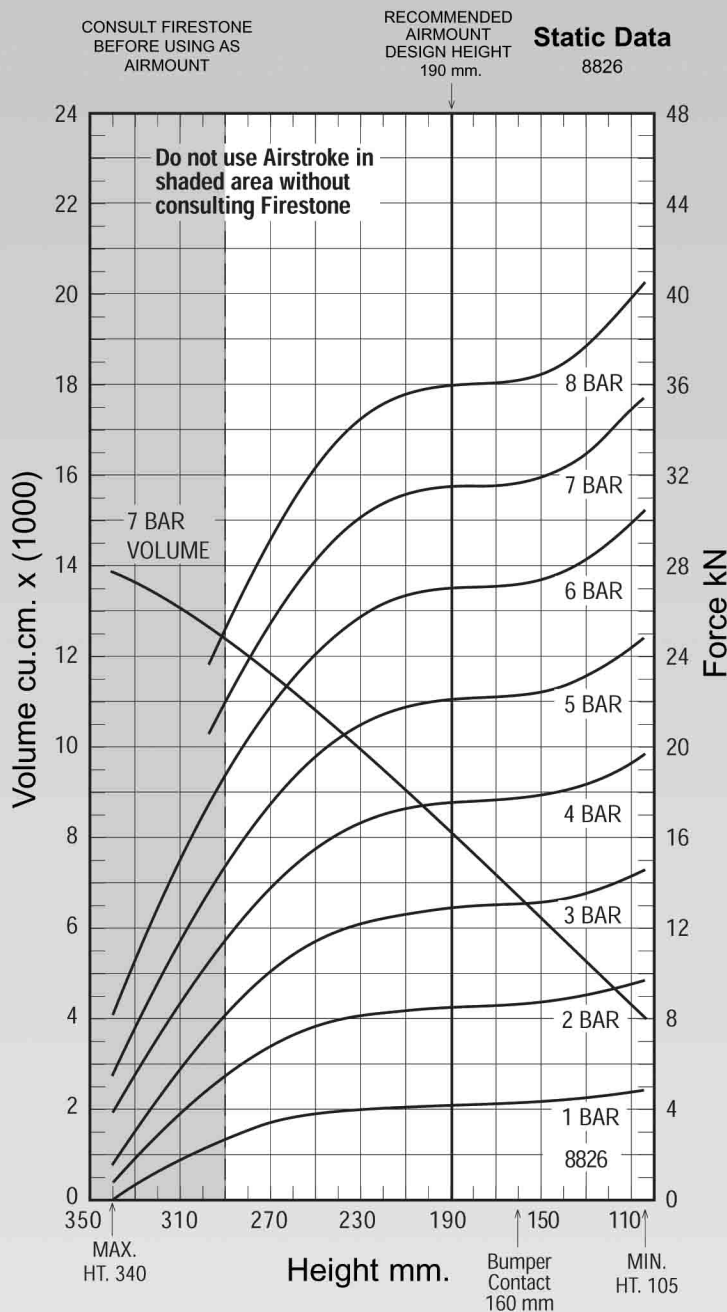
NOTE: All Assembly Order Numbers are for bead plate parts unless noted otherwise.

	Description	Assembly Order No.
Style	Blind nuts, 1/4 BSP	W01-M58-6265
1T15M-0	Blind nuts, 1/4 BSP, rubber bumper	W01-M58-6266
Two Ply	Blind nuts, 3/4 BSP	W01-M58-6263
Bellows	Blind nuts, 3/4 BSP, rubber bumper	W01-M58-6264
	Countersunk steel bead ring, 40 mm bolts, nuts, washers	SEE NOTE BELOW
Assembly weight.....		5.22 kg.



NOTE: Bellows will not compress properly with less than .7 BAR internal pressure.

NOTE: A bead plate part is shown. This part is also available with a bead ring. Bolts are not included. See pages 8-10 for explanation.



See page 12 for instructions on how to use chart.

Dynamic Characteristics at 190 mm Design Height (Required for Airmount isolator design only)

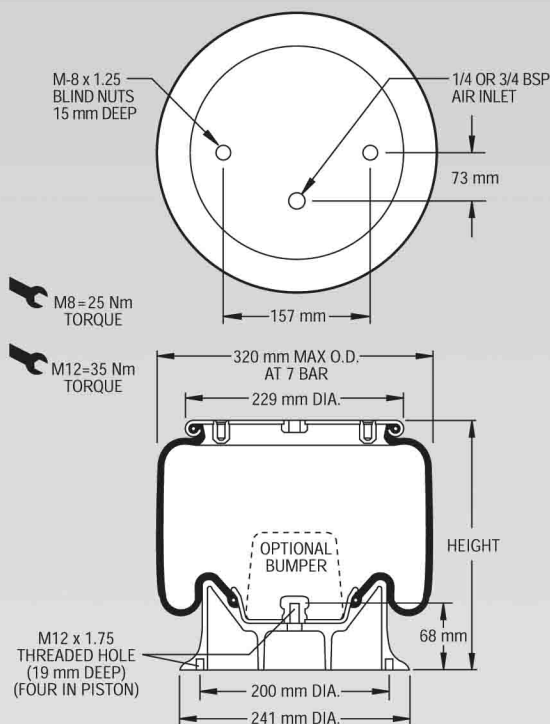
Gauge Pressure (BAR)	Load (kN)	Spring Rate (kN/m)	Natural Frequency Hz
3	12.85	149	1.70
4	17.59	189	1.63
5	22.14	228	1.60
6	27.03	270	1.58
7	31.53	307	1.56

Force Table (Use for Airstroke™ actuator design)

Assembly Height (mm)	Volume @ 7 BAR (cu cm)	EFF Area @ 7 BAR (cm sq)	kN Force				
			@ 3 BAR	@ 4 BAR	@ 5 BAR	@ 6 BAR	@ 7 BAR
280	12080	337	9.10	12.52	15.98	19.99	23.58
260	11314	382	10.70	14.55	18.42	22.79	26.76
240	10488	417	11.79	16.07	20.26	24.90	29.16
220	9611	438	12.44	17.03	21.44	26.26	30.68
200	8667	449	12.76	17.50	22.01	26.90	31.39
180	7694	451	12.90	17.64	22.19	27.09	31.59
160	6704	453	13.02	17.73	22.31	27.22	31.73
140	5712	462	13.29	18.05	22.72	27.74	32.34

NOTE: All Assembly Order Numbers are for bead plate parts unless noted otherwise.

	Description	Assembly Order No.
Style 1T15M-2	Blind nuts, 1/4 BSP	W01-M58-6272
	Blind nuts, 1/4 BSP, bumper	W01-M58-6273
Two Ply Bellows	Blind nuts, 3/4 BSP	W01-M58-6270
	Blind nuts, 3/4 BSP, bumper	W01-M58-6271
Assembly weight.....		5.99 kg.



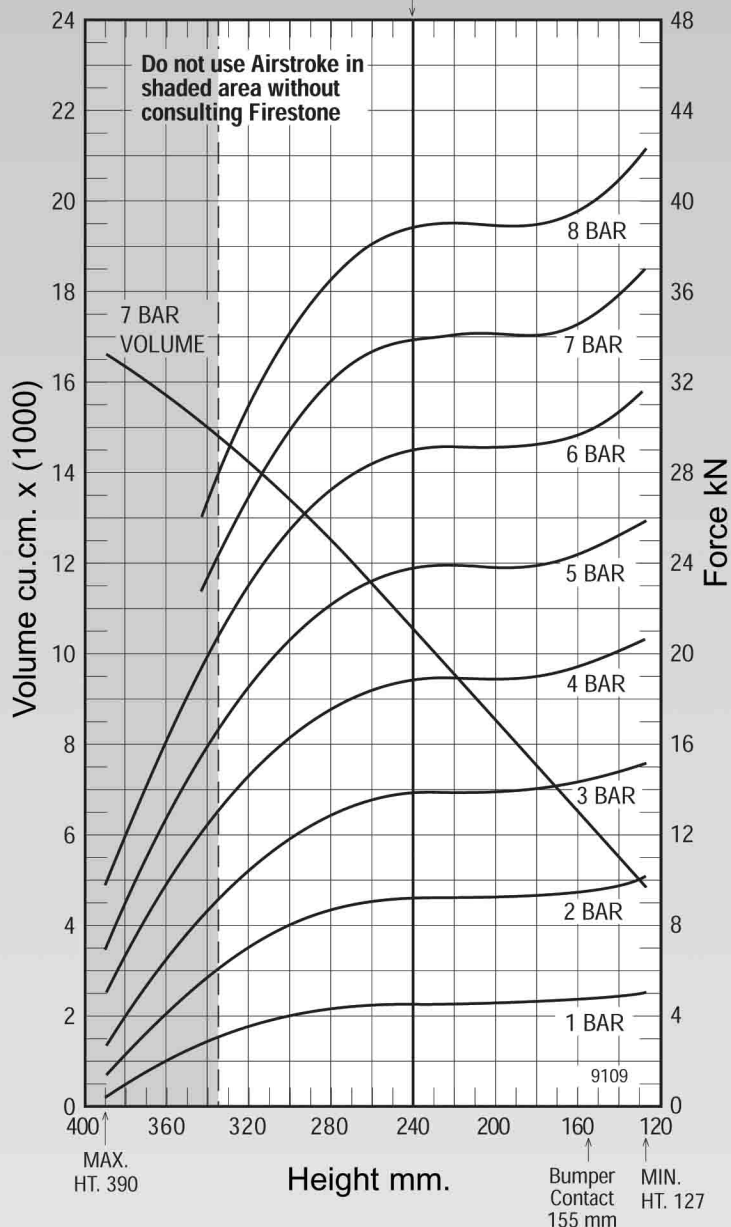
NOTE: Bellows will not compress properly with less than .7 BAR internal pressure.

NOTE: A bead plate part is shown. This part is also available with a bead ring. Bolts are not included. See pages 8-10 for explanation.

CONSULT FIRESTONE
BEFORE USING AS
AIRMOUNT

RECOMMENDED
AIRMOUNT
DESIGN HEIGHT
240 mm.

Static Data
9109



See page 12 for instructions on how to use chart.

Dynamic Characteristics at 240 mm Design Height
(Required for Airmount isolator design only)

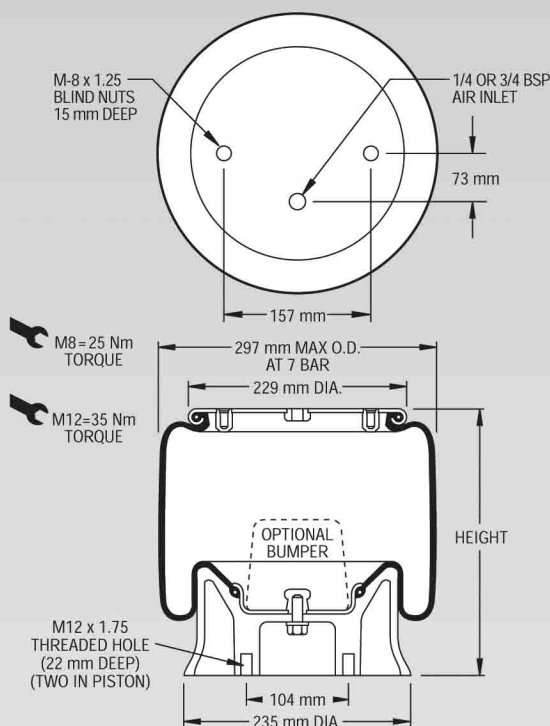
Gauge Pressure (BAR)	Load (kN)	Spring Rate (kN/m)	Natural Frequency Hz
3	13.74	128	1.52
4	18.78	166	1.48
5	23.70	201	1.45
6	29.05	238	1.43
7	33.91	271	1.41

Force Table (Use for Airstroke™ actuator design)

Assembly Height (mm)	Volume @ 7 BAR (cu cm)	EFF Area @ 7 BAR (cm sq)	kN Force				
			@ 3 BAR	@ 4 BAR	@ 5 BAR	@ 6 BAR	@ 7 BAR
300	13442	423	11.82	16.18	20.46	25.24	29.59
280	12542	454	12.83	17.51	22.11	27.18	31.80
260	11597	475	13.45	18.36	23.17	28.43	33.22
240	10616	485	13.74	18.78	23.70	29.05	33.91
220	9613	486	13.82	18.90	23.85	29.19	34.05
200	8562	486	13.83	18.90	23.85	29.19	34.05
180	7512	486	13.90	18.97	23.90	29.20	34.05
160	6473	492	14.15	19.30	24.27	29.59	34.46

NOTE: All Assembly Order Numbers are for bead plate parts unless noted otherwise.

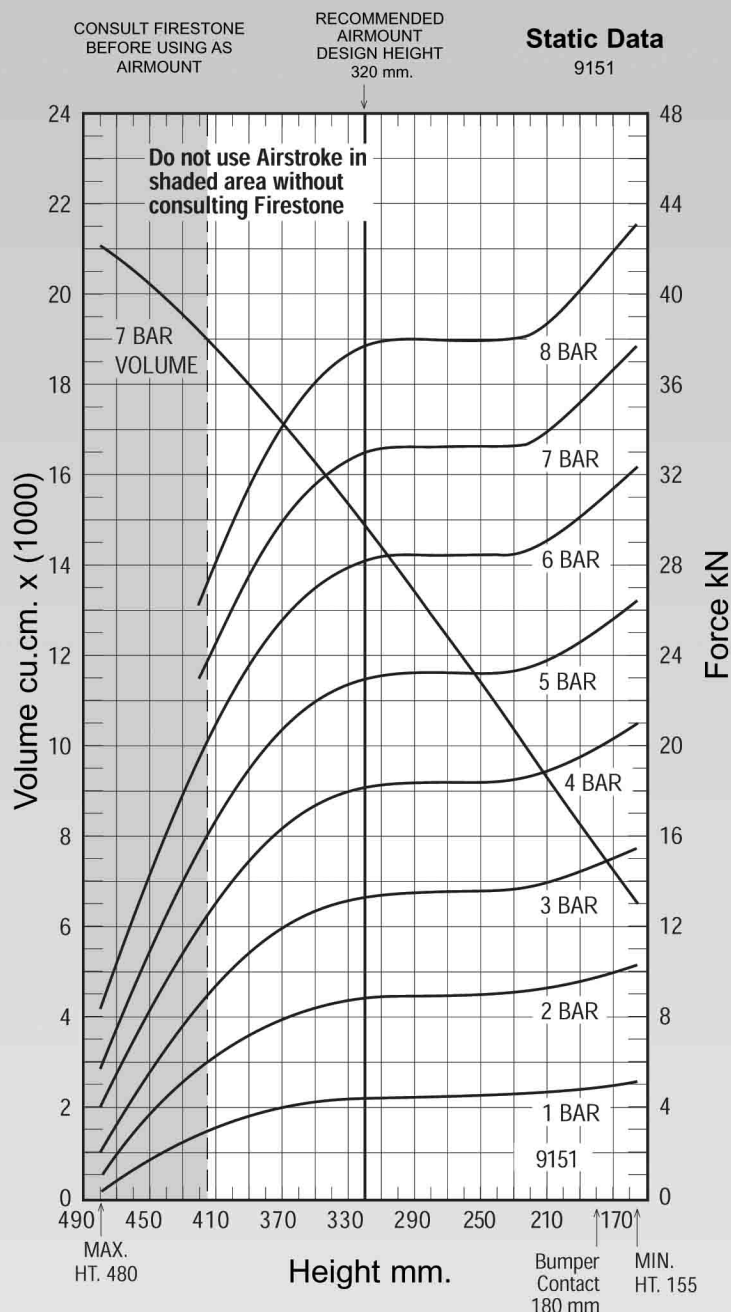
	Description	Assembly Order No.
Style 1T15M-4	Blind nuts, 1/4 BSP	W01-M58-6284
	Blind nuts, 1/4 BSP, bumper	W01-M58-6283
Two Ply Bellows	Blind nuts, 3/4 BSP	W01-M58-6280
	Blind nuts, 3/4 BSP, bumper	W01-M58-6281
Assembly weight.....		6.49 kg.



NOTE: Bellows will not compress properly with less than .7 BAR internal pressure.

NOTE: A bead plate part is shown. This part is also available with a bead ring. Bolts are not included. See pages 8-10 for explanation.

Dynamic Characteristics at 320 mm Design Height (Required for Airmount isolator design only)			
Gauge Pressure (BAR)	Load (kN)	Spring Rate (kN/m)	Natural Frequency Hz
3	13.30	94	1.33
4	18.18	121	1.29
5	22.97	147	1.26
6	28.21	173	1.24
7	32.97	198	1.22

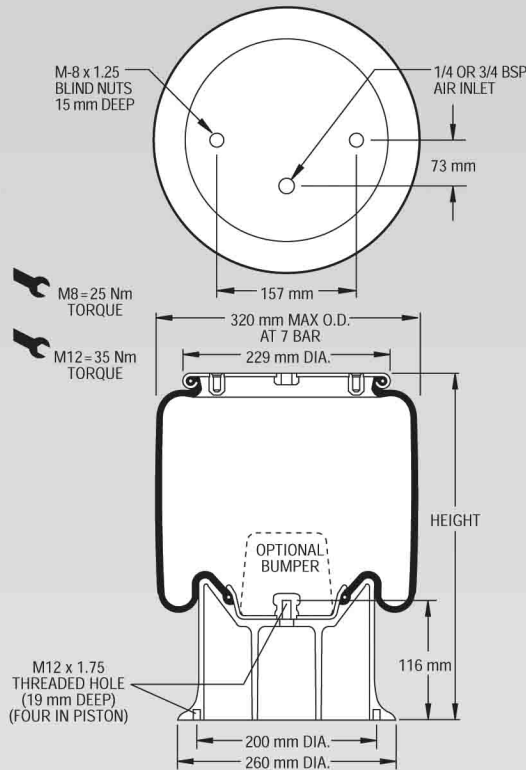


See page 12 for instructions on how to use chart.

Force Table (Use for Airstroke™ actuator design)							
Assembly Height (mm)	Volume @ 7 BAR (cu cm)	EFF Area @ 7 BAR (cm sq)	kN Force				
			@ 3 BAR	@ 4 BAR	@ 5 BAR	@ 6 BAR	@ 7 BAR
400	18412	371	10.00	13.84	17.67	22.06	25.95
360	16746	439	12.25	16.79	21.27	26.24	30.73
320	14853	471	13.30	18.18	22.97	28.21	32.97
280	12874	475	13.48	18.41	23.23	28.47	33.24
240	10870	475	13.53	18.41	23.23	28.47	33.24
200	8827	491	14.11	19.11	24.09	29.47	34.39
160	6803	533	15.26	20.70	26.12	32.00	37.34

NOTE: All Assembly Order Numbers are for bead plate parts unless noted otherwise.

	Description	Assembly Order No.
Style 1T15M-6 Two Ply Bellows	Blind nuts, 1/4 BSP	W01-M58-6290
	Blind nuts, 1/4 BSP, bumper	W01-M58-6291
	Blind nuts, 3/4 BSP	W01-M58-6292
	Blind nuts, 3/4 BSP, bumper	W01-M58-6295
	Blind nuts, 3/4 BSP, (piston not included)	W01-M58-6294
Assembly weight.....		7.12 kg.



NOTE: Bellows will not compress properly with less than .7 BAR internal pressure.

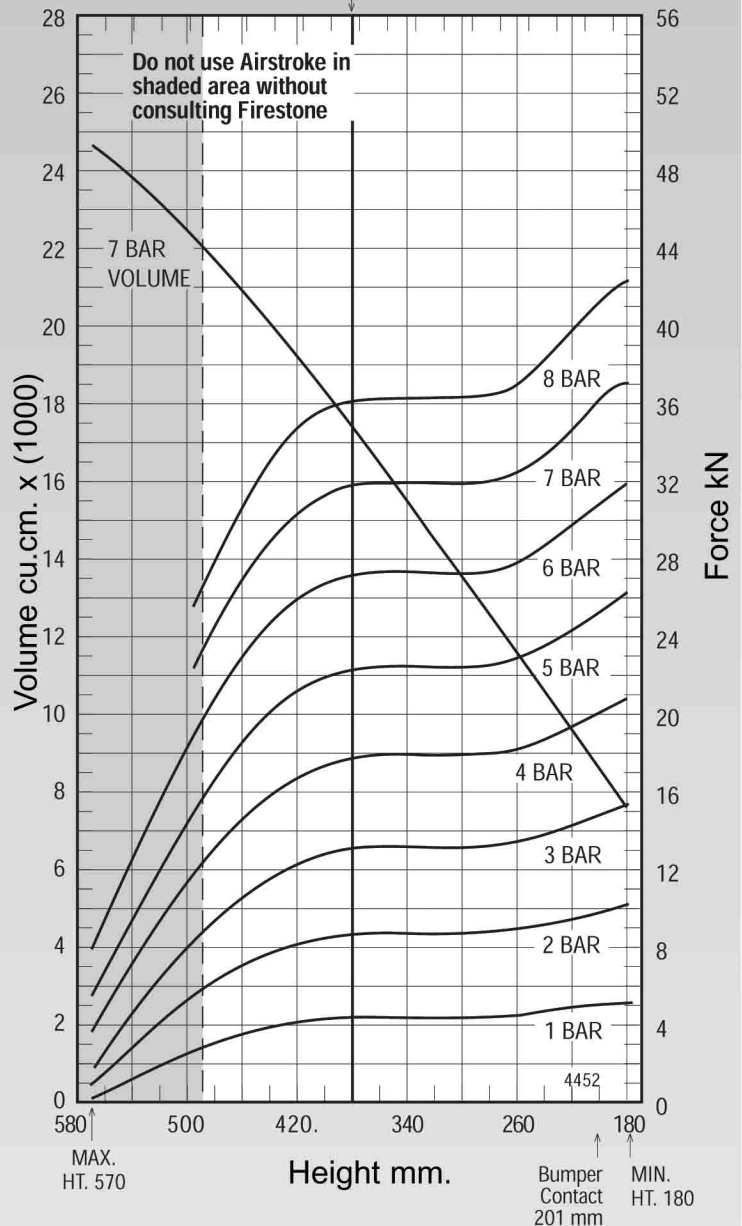
NOTE: A bead plate part is shown. This part is also available with a bead ring. Bolts are not included. See pages 8-10 for explanation.

Dynamic Characteristics at 380 mm Design Height (Required for Airmount isolator design only)			
Gauge Pressure (BAR)	Load (kN)	Spring Rate (kN/m)	Natural Frequency Hz
3	13.01	72	1.18
4	17.68	93	1.14
5	22.25	111	1.11
6	27.16	129	1.09
7	31.66	147	1.07

CONSULT FIRESTONE BEFORE USING AS AIRMOUNT

RECOMMENDED AIRMOUNT DESIGN HEIGHT 380 mm.

Static Data
4452

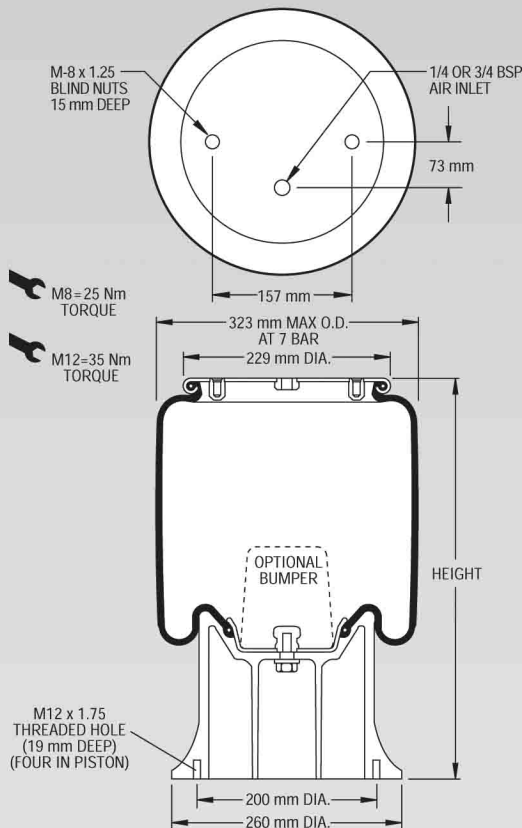


See page 12 for instructions on how to use chart.

Force Table (Use for Airstroke™ actuator design)							
Assembly Height (mm)	Volume @ 7 BAR (cu cm)	EFF Area @ 7 BAR (cm sq)	kN Force				
			@ 3 BAR	@ 4 BAR	@ 5 BAR	@ 6 BAR	@ 7 BAR
480	21723	347	9.30	12.91	16.49	20.60	24.25
440	20080	410	11.50	15.70	19.88	24.52	28.70
400	18349	445	12.73	17.31	21.82	26.70	31.16
360	16512	454	13.11	17.82	22.40	27.29	31.79
320	14536	454	13.12	17.83	22.40	27.29	31.79
280	12544	454	13.12	17.83	22.40	27.29	31.79
240	10569	476	13.72	18.54	23.35	28.53	33.28
200	8579	515	14.81	20.02	25.24	30.88	36.02

NOTE: All Assembly Order Numbers are for bead plate parts unless noted otherwise.

	Description	Assembly Order No.
Style	Blind nuts, 1/4 BSP	W01-M58-6304
1T15M-9	Blind nuts, 1/4 BSP, bumper	W01-M58-3605
Two Ply	Blind nuts, 3/4 BSP	W01-M58-6300
Bellows	Blind nuts, 3/4 BSP, bumper	W01-M58-6301
Assembly weight.....		8.16 kg.



NOTE: Bellows will not compress properly with less than .7 BAR internal pressure.

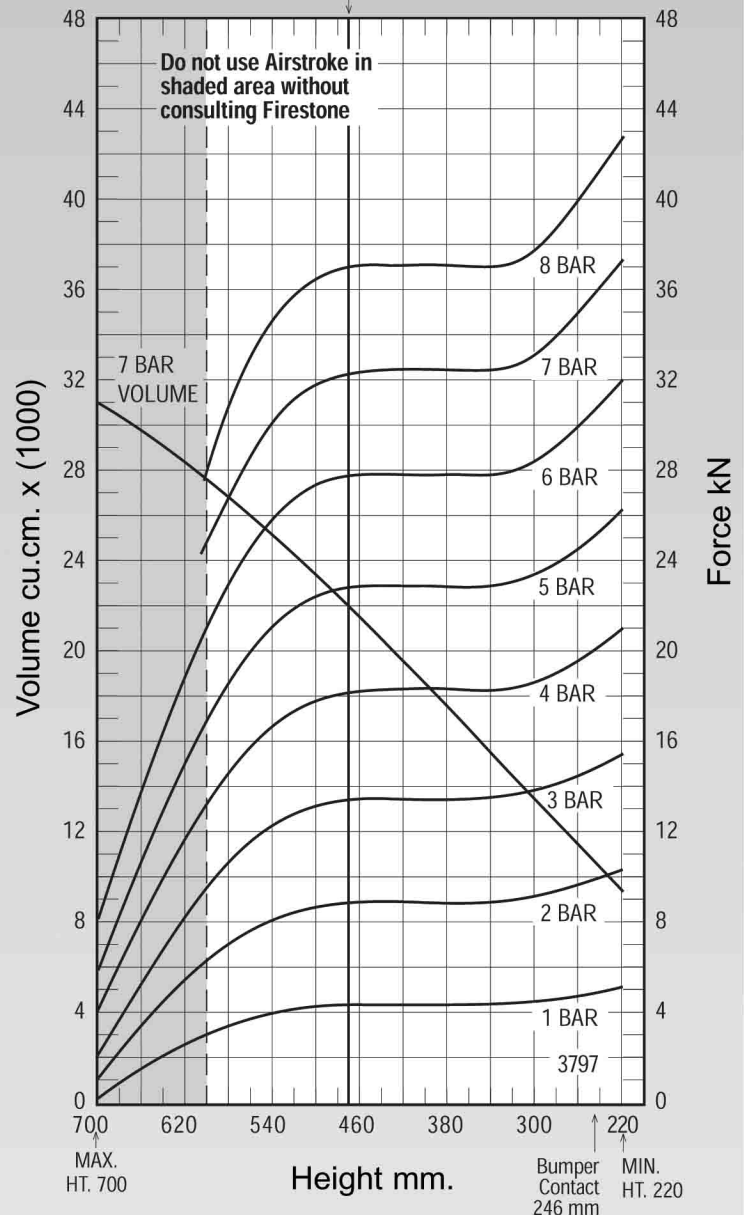
NOTE: A bead plate part is shown. This part is also available with a bead ring. Bolts are not included. See pages 8-10 for explanation.

Dynamic Characteristics at 470 mm Design Height (Required for Airmount isolator design only)			
Gauge Pressure (BAR)	Load (kN)	Spring Rate (kN/m)	Natural Frequency Hz
3	13.36	60	1.05
4	18.21	78	1.03
5	22.82	92	1.00
6	27.76	107	.98
7	32.35	121	.96

CONSULT FIRESTONE
BEFORE USING AS
AIRMOUNT

RECOMMENDED
AIRMOUNT
DESIGN HEIGHT
470 mm.

Static Data
3797

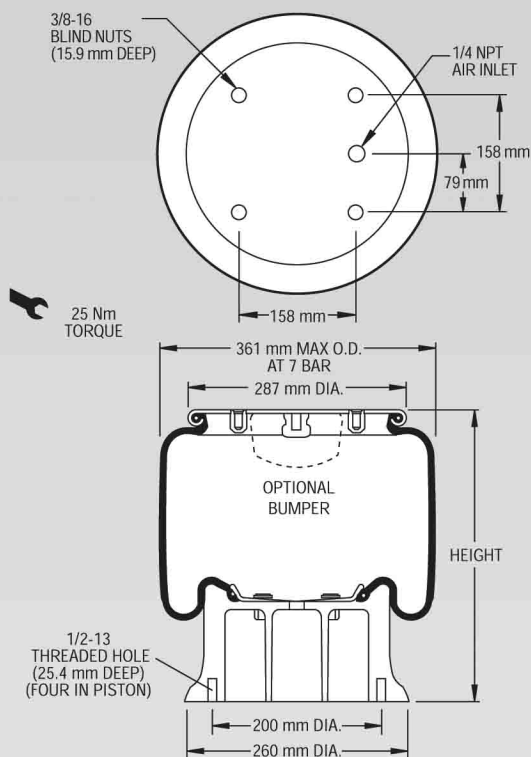


See page 12 for instructions on how to use chart.

Force Table (Use for Airstroke™ actuator design)							
Assembly Height (mm)	Volume @ 7 BAR (cu cm)	EFF Area @ 7 BAR (cm sq)	kN Force				
			@ 3 BAR	@ 4 BAR	@ 5 BAR	@ 6 BAR	@ 7 BAR
560	26024	411	11.50	15.68	19.84	24.50	28.73
520	24282	446	12.75	17.33	21.81	26.70	31.20
480	22386	461	13.30	18.12	22.72	27.67	32.25
440	20414	463	13.41	18.29	22.90	27.81	32.40
400	18453	463	13.41	18.29	22.90	27.81	32.40
360	16464	463	13.41	18.29	22.90	27.81	32.40
320	14405	465	13.59	18.33	22.99	27.94	32.52
280	12395	485	14.10	19.06	23.94	29.14	33.94

NOTE: All Assembly Order Numbers are for bead plate parts unless noted otherwise.

	Description	Assembly Order No.
Style	Blind nuts, 1/4 NPT	W01-358-9148
1T19L-7	Blind nuts, 1/4 NPT, bumper	W01-358-9149
Two Ply Bellows	Blind nuts, 3/4 NPT	W01-358-9172
	Blind nuts, 3/4 NPT, bumper	W01-358-9160
	Countersunk steel bead ring 1 3/4 bolts, nuts, washers	WO1-358-9165
Assembly weight 11.16 kg.		



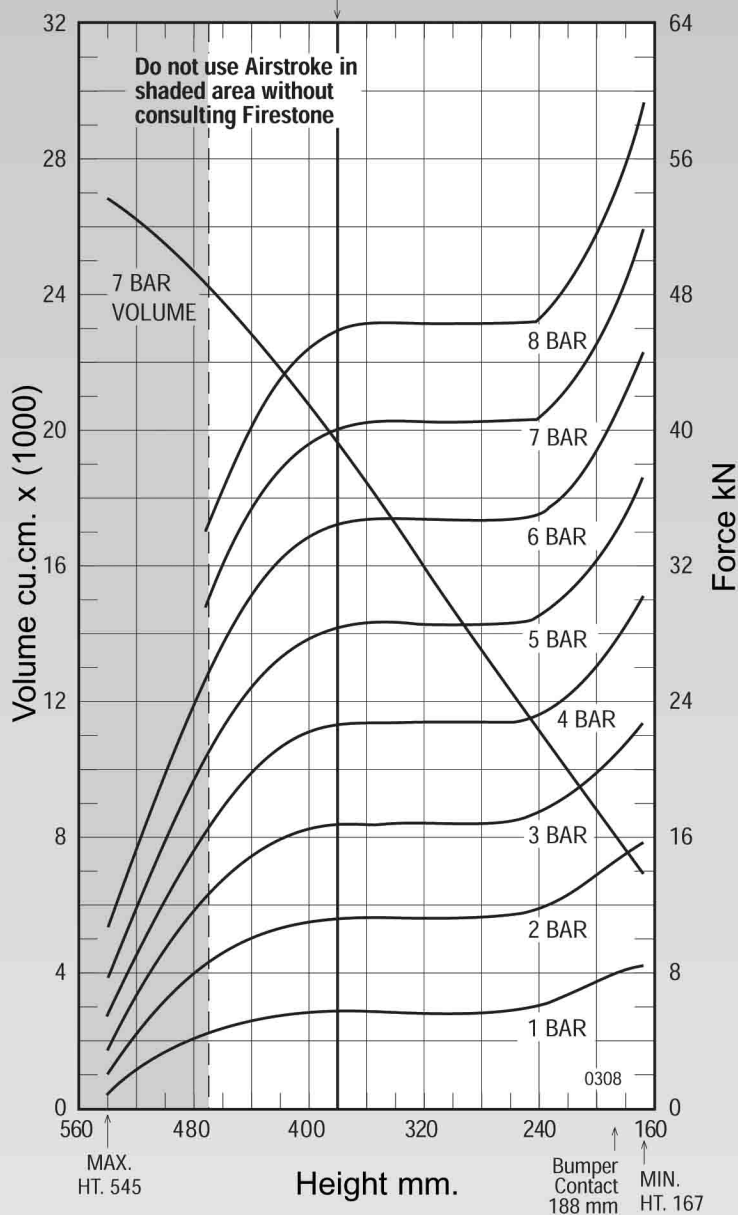
NOTE: Bellows will not compress properly with less than .7 BAR internal pressure.

NOTE: A bead plate part is shown. This part is also available with a bead ring. Bolts are not included. See pages 8-10 for explanation.

CONSULT FIRESTONE BEFORE USING AS AIRMOUNT

RECOMMENDED AIRMOUNT DESIGN HEIGHT 380 mm.

Static Data
0308



See page 12 for instructions on how to use chart.

Dynamic Characteristics at 380 mm Design Height
(Required for Airmount isolator design only)

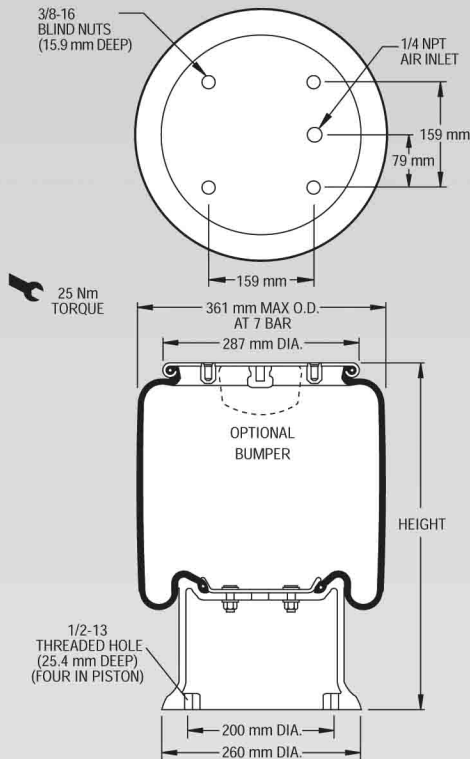
Gauge Pressure (BAR)	Load (kN)	Spring Rate (kN/m)	Natural Frequency Hz
3	16.82	98	1.20
4	22.64	128	1.18
5	28.37	155	1.17
6	34.49	186	1.16
7	40.18	215	1.15

Force Table (Use for Airstroke™ actuator design)

Assembly Height (mm)	Volume @ 7 BAR (cu cm)	EFF Area @ 7 BAR (cm sq)	kN Force				
			@ 3 BAR	@ 4 BAR	@ 5 BAR	@ 6 BAR	@ 7 BAR
460	23795	454	13.44	17.70	22.22	27.17	31.77
420	21800	536	15.94	21.20	26.54	32.23	37.53
380	19624	574	16.82	22.64	28.37	34.49	40.18
340	17263	580	16.84	22.78	28.56	34.78	40.56
300	14779	580	16.84	22.78	28.56	34.78	40.56
260	12355	580	16.85	22.78	28.56	34.78	40.56
220	9981	606	18.44	24.34	30.28	36.48	42.38
180	7648	698	21.43	28.27	35.08	42.10	48.84

NOTE: All Assembly Order Numbers are for bead plate parts unless noted otherwise.

	Description	Assembly Order No.
Style 1T19L-11	Blind nuts, 1/4 NPT	W01-358-9155
	Blind nuts, 1/4 NPT, bumper	W01-358-9156
Two Ply Bellows	Blind nuts, 3/4 NPT	W01-358-9153
	Blind nuts, 3/4 NPT, bumper	W01-358-9156
	Countersunk steel bead ring, 1 3/4 bolts, nuts, washers	W01-358-9162
Assembly weight.....		10.25 kg.



NOTE: Bellows will not compress properly with less than .7 BAR internal pressure.

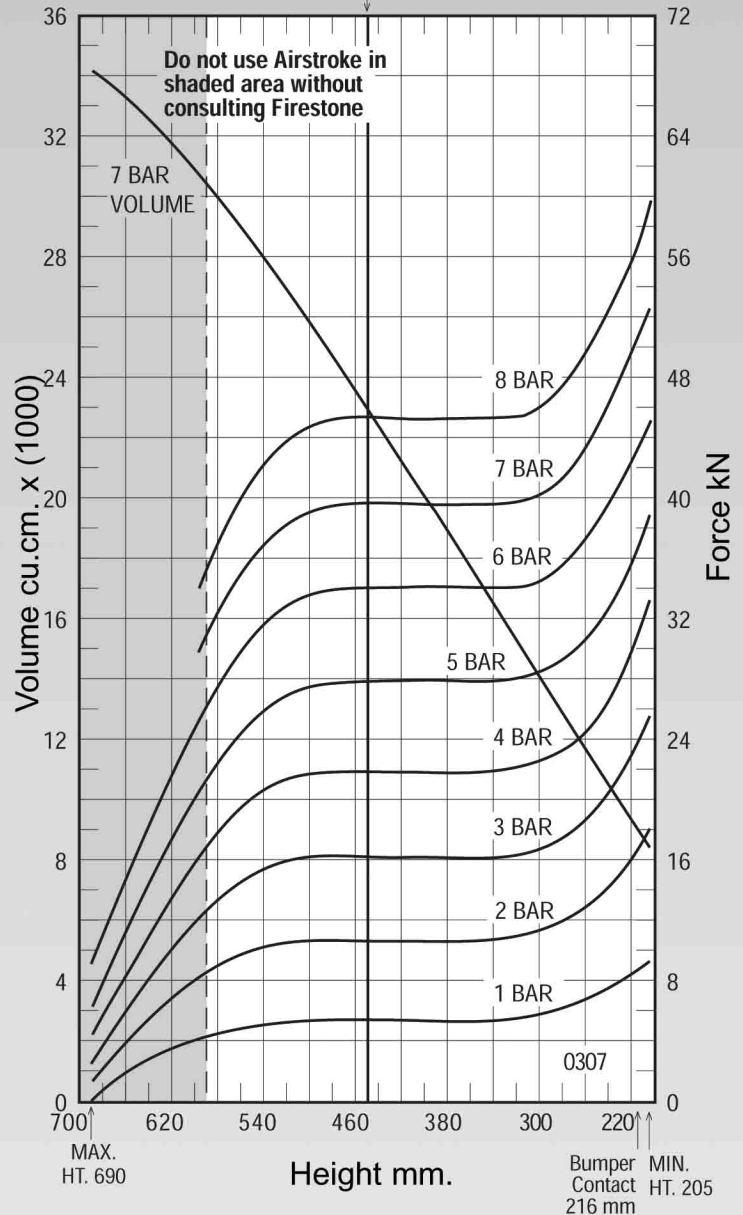
NOTE: A bead plate part is shown. This part is also available with a bead ring. Bolts are not included. See pages 8-10 for explanation.

Dynamic Characteristics at 455 mm Design Height (Required for Airmount isolator design only)			
Gauge Pressure (BAR)	Load (kN)	Spring Rate (kN/m)	Natural Frequency Hz
3	16.22	76	1.08
4	21.90	96	1.04
5	27.77	117	1.02
6	34.04	140	1.01
7	39.63	160	1.00

CONSULT FIRESTONE
BEFORE USING AS
AIRMOUNT

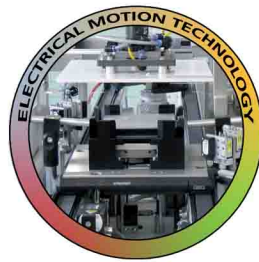
RECOMMENDED
AIRMOUNT
DESIGN HEIGHT
455 mm.

Static Data
0307



See page 12 for instructions on how to use chart.

Force Table (Use for Airstroke [™] actuator design)							
Assembly Height (mm)	Volume @ 7 BAR (cu cm)	EFF Area @ 7 BAR (cm sq)	kN Force				
			@ 3 BAR	@ 4 BAR	@ 5 BAR	@ 6 BAR	@ 7 BAR
580	29938	462	13.45	18.02	22.57	27.62	32.34
540	28011	525	15.32	20.56	25.83	31.49	36.72
500	25891	557	16.09	21.66	27.35	33.44	38.95
460	23607	566	16.22	21.90	27.77	34.03	39.62
420	21262	566	16.22	21.90	27.77	34.04	39.63
380	18895	566	16.22	21.90	27.77	34.04	39.63
340	16461	566	16.22	21.94	27.80	34.04	39.63
300	13995	575	16.79	22.58	28.40	34.58	40.25



We look forward to your application.

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